



Paragon Analytics

METALS CASE NARRATIVE

Kent & Sullivan Inc.

Ross Adams

Order Number - 0405095

1. This report consists of 10 water samples.
2. The samples were received intact on 5/11/04. The temperature of the samples upon receipt was between 10° and 15° Celsius.
3. The samples had been preserved for the requested analyses.
4. The samples were prepared for analysis based on SW-846, 3rd Edition procedures. For analysis by ICP-MS, the samples were digested following method 3005A and PA SOP 806 Rev. 10.
5. The samples were analyzed following SW-846, 3rd Edition procedures.

Analysis by ICP-MS followed method 6020A and PA SOP 827 Rev. 2.

The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution. A linear regression is performed by the instrument software to develop the calibration equation.

During sample analysis concentrations are computed by the software and the results are printed in ug/L. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations near the middle of the analytical range but different than those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

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PARAGON ANALYTICS

6. All standards and solutions are NIST traceable and were used within their recommended shelf life.
7. The samples were prepared and analyzed within the established hold times.
All in house quality control procedures were followed, as described below.
8. General quality control procedures.
 - A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in this digestion batch. There were not more than 20 samples in the digestion batch.
 - The preparation (method) blank associated with this digestion batch was below the practical quantitation limit for each requested analyte.
 - The laboratory control sample associated with this digestion batch was within the acceptance limits. This indicates complete digestion according to the method.
 - All initial and continuing calibration blanks associated with this analytical batch were below the practical quantitation limits for the requested analytes.
 - All initial and continuing calibration verifications associated with this analytical batch were within the acceptance criteria for the requested analytes. This indicates a valid calibration and stable instrument conditions.
 - The high standard readbacks associated with Method 6020A analyses were within acceptance criteria.
 - The interference check samples associated with Method 6020A were analyzed.
9. Matrix specific quality control procedures.
PA sample ID 0405095-2 was designated as the quality control sample for these analyses.
 - A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for accuracy were met.
 - A sample duplicate and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for precision were met.
 - A serial dilution was analyzed with the ICP-MS batch. All acceptance criteria were met.
10. It is a standard PA practice that samples for ICP-MS are analyzed at a dilution.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Megan Johnson

Megan Johnson

Data Reporting Specialist

6/24/04

Date

AF

Reviewer's Initials

6/24/04

Date

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Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0405095

Client Name: Kent & Sullivan Inc.

Client Project Name: Ross Adams

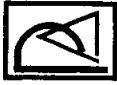
Client Project Number:

Client PO Number:

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
SW-01	0405095-1		WATER	05-May-04	16:40
SW-02	0405095-2		WATER	05-May-04	15:50
SW-04	0405095-3		WATER	04-May-04	17:52
SW-05	0405095-4		WATER	06-May-04	11:45
SW-06	0405095-5		WATER	06-May-04	8:50
SW-07	0405095-6		WATER	03-May-04	16:03
SW-08	0405095-7		WATER	03-May-04	16:59
SW-09	0405095-8		WATER	05-May-04	12:30
SW-10	0405095-9		WATER	05-May-04	14:57
SW-11	0405095-10		WATER	06-May-04	17:00
FR-01	0405095-11		WATER	06-May-04	8:00
FR-02	0405095-12		WATER	06-May-04	8:10

Chain of Custody

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Paragon Analytics, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Chain-of-Custody

Accession Number (LAB ID)

Page 1 of 9

Project Name / No.: **Koss Analytics**

Sampler(s):

Report To: **SCE KENT**
 Phone: **907-283-0949**
 Fax: **907-283-0947**
 Company: **KENT & SULLIVAN INC**
 Address: **5349½ THUNDER RD**
KENAI AK 99611

(circle one) Turnaround Standard or Rush (Due Date)

(circle one) Disposal or Return to Client

Turnaround Standard or Rush (Due Date)

Disposal or Return to Client

Sample ID	Date	Time *	Lab ID	Matrix	No. of Containers	Comments	Turnaround Standard or Rush (Due Date)		Disposal or Return to Client	
							Turnaround Standard	Rush	Turnaround Standard	Rush
SW-01	5/5/01	11:40	1	SLT	5			X		
SW-02	5/5/01	15:50	2	SLT	5			X		
SW-04	5/4/01	17:52	3	SLT	5			X		
SW-05	5/6/01	11:45	4	SLT	3			X		
SW-06	5/6/01	08:50	5	SLT	5			X		
SW-07	5/6/01	16:03	6	SLT	8			X		
SW-08	5/6/01	16:59	7	SLT	5			X		
SW-09	5/5/01	12:32	8	SLT	5			X		
SW-10	5/5/01	14:57	9	SLT	5			X		
SW-11	5/6/01	17:00	10	SLT	5			X		

Comments:

(1) Relinquished By:

(2) Relinquished By:

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Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: Kent + Sullivan WORKORDER NO: 0405095PROJECT MANAGER: Debbie Fazio INITIALS: DW DATE: 5/12/04

1. Does this project require any special handling in addition to standard Paragon procedures?	<input checked="" type="radio"/> Yes	No	
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)		<input checked="" type="radio"/> Yes	No
2. Are custody seals on shipping containers intact? How many custody seals are provided? <u>2 each</u>	N/A	Yes	<input checked="" type="radio"/> No
3. Are the custody seals on sample containers intact?	(N/A)	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?	<input checked="" type="radio"/> Yes	No	
5. Is the COC complete? Relinquished: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Analyses Requested: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	<input checked="" type="radio"/> Yes	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Sample ID's: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Matrix: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No. of Containers: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	<input checked="" type="radio"/> Yes	No
7. Were COC (if applicable) and sample labels legible?	<input checked="" type="radio"/> Yes	No	
8. Were airbills present and/or removable?	N/A	<input checked="" type="radio"/> Yes	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)? Are all aqueous non-preserved samples at the correct pH?	N/A	<input checked="" type="radio"/> Yes	No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?	<input checked="" type="radio"/> Yes	No	
11. Are all samples within holding times for the requested analyses?	<input checked="" type="radio"/> Yes	No	
12. Were all sample containers received intact? (not broken or leaking, etc.)	<input checked="" type="radio"/> Yes	No	
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? Size of bubble: <u> </u> < green pea; <u> </u> > green pea (List sample IDs and affected containers on Page 2)	(N/A)	Yes	No
14. Were samples checked for and free from the presence of residual chlorine?	N/A	Yes	No
15. Were the sample(s) shipped on ice?	N/A	<input checked="" type="radio"/> Yes	No
16. Were cooler temperatures measured at 0.1 - 6 °C? IR Gun Used*: <u>1 2</u>	N/A	Yes	<input checked="" type="radio"/> No
17. Were all samples cooled that should have been cooled?	N/A	Yes	<input checked="" type="radio"/> No

Cooler #'s 866 933 930 681 166 9 816 4
 Temperature 10° 10° 15° 10° 12° 12° 14° 11° ° C

Project Manager Signature / Date: Debbie Fazio 5/13/04

A NO RESPONSE TO ANY QUESTION EXCEPT # 1 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

- * IR Gun #1 (original): Raytek, SN SC-PM3/T29403
- IR Gun #2 (newer): Oakton, SN 2SCIR1201

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: Kent + Sullivan WORKORDER NO: 0405095
 PROJECT MANAGER: Debbie Fazio INITIALS: DW DATE: 5/12/04

- Custody seals broken (on outside of shipping container or on sample containers).
- No Chain-of-Custody (COC) present.
- Number of samples on the COC do not match the number of samples received.
- Aqueous samples not preserved correctly (see pH discussion below).
- SVOC samples contained residual chlorine (list sample IDs and affected containers below).
- Samples received at inappropriate temperature.
- Insufficient sample to perform requested analyses.
- Extraction or analytical holding times expired in transit.
- Broken/leaking bottles and intact bottles received in same cooler (list affected sample IDs below).
- No analyses requested.
- Incorrect sample type received.
- VOAs, reactive CNS, radon not headspace free (list sample IDs and affected vials below).
- Airbills not present and/or removable (record applicable shipper's tracking number below).
- Other (describe below).

Describe discrepancy:

- Sample #1 - #10: 500 ml poly bottles are labeled for alkalinity analysis and were received at pH 7. Labels list preservative as HNO₃.
- Cooler #930 received with rear outside custody seal intact. Front custody seal was present but was not intact. All strapping tape was intact.
- All samples received between 10° - 15°C. Insufficient ice packed with samples. Refer to page 1 for cooler temperatures and refer to DOT page Survey pages for cooler contents.

Was the client contacted? No; Yes: Name Sue KENT Date/Time 5/13/04

Was the pH of any sample adjusted by the laboratory? No; Yes (see Table below):

NOTE: No pH adjustments shall be made without prior consent of Project Manager. After pH adjustment, hold metals and radchem samples ≥ 16 hr before analysis.

Sample ID	Initial pH	Final pH (wait 30 min)	Type of Reagent Used	Lot No. of Reagent Used	Initials / Date / Time

Was the laboratory directed to proceed with the analysis of any samples yielding the presence of residual chlorine? No; Yes (see notes above).

Project Manager Signature / Date: DW 5/13/04

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Page 2 of 2

SAMPLE LOGIN / DOT SURVEY

Client: Kent & Sullivan

Workorder No: 0405095

Project Manager: Debbie Fazio

Initials: AW Date: 5/12/04

COOLER #: 866

External Micro R Meter Reading (μ R/hr): 50**Paragon Sample ID:**

0405095-6-5
 0405095-8-2
 0405095-8-3
 0405095-8-4
 0405095-8-5
 0405095-10-2
 0405095-10-3
 0405095-10-4

Client Sample ID:

SW-07
 SW-09
 SW-09
 SW-09
 SW-09
 SW-11
 SW-11
 SW-11

Micro R Meter Reading (μ R/hr):

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COOLER #: 933

External Micro R Meter Reading (μ R/hr): 150**Paragon Sample ID:**

0405095-4-1
 0405095-4-4
 0405095-4-6
 0405095-4-7
 0405095-4-8

Client Sample ID:

SW-05
 SW-05
 SW-05
 SW-05
 SW-05

Micro R Meter Reading (μ R/hr):

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COOLER #: 930

External Micro R Meter Reading (μ R/hr): 380**Paragon Sample ID:**

0405095-2-1
 0405095-2-2
 0405095-2-3
 0405095-6-8
 0405095-7-4
 0405095-7-5
 0405095-8-1
 0405095-9-3
 0405095-10-1

Client Sample ID:

SW-02
 SW-02
 SW-02
 SW-07
 SW-08
 SW-08
 SW-09
 SW-10
 SW-11

Micro R Meter Reading (μ R/hr):

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If applicable, was the client contacted? YES / NO / NA Client Rep. Name: S. Kent Date/Time: 5/13/04

Project Manager Signature/ Date:  5/13/04

SAMPLE LOGIN / DOT SURVEY

Client: Kent & SullivanWorkorder No: 0405095Project Manager: Debbie FazioInitials: AW Date: 5/12/04COOLER #: 681External Micro R Meter Reading (μ R/hr): 70**Paragon Sample ID:**

0405095-1-1
0405095-1-2
0405095-1-3
0405095-1-4
0405095-1-5
0405095-3-2
0405095-6-1
0405095-9-1
0405095-9-2
0405095-9-5

Client Sample ID:

SW-01
SW-01
SW-01
SW-01
SW-01
SW-04
SW-07
SW-10
SW-10
SW-10

Micro R Meter Reading (μ R/hr):

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COOLER #: 166External Micro R Meter Reading (μ R/hr): 60**Paragon Sample ID:**

0405095-2-4
0405095-2-5
0405095-3-1
0405095-3-3
0405095-9-4
0405095-11-1
0405095-11-2
0405095-12-1
0405095-12-2

Client Sample ID:

SW-02
SW-02
SW-04
SW-04
SW-10
FR-01
FR-01
FR-02
FR-02

Micro R Meter Reading (μ R/hr):

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COOLER #: 9External Micro R Meter Reading (μ R/hr): 80**Paragon Sample ID:**

0405095-3-4
0405095-3-5
0405095-4-2
0405095-4-3
0405095-4-5
0405095-5-1
0405095-5-2
0405095-5-3
0405095-5-5

Client Sample ID:

SW-04
SW-04
SW-05
SW-05
SW-05
SW-06
SW-06
SW-06
SW-06

Micro R Meter Reading (μ R/hr):

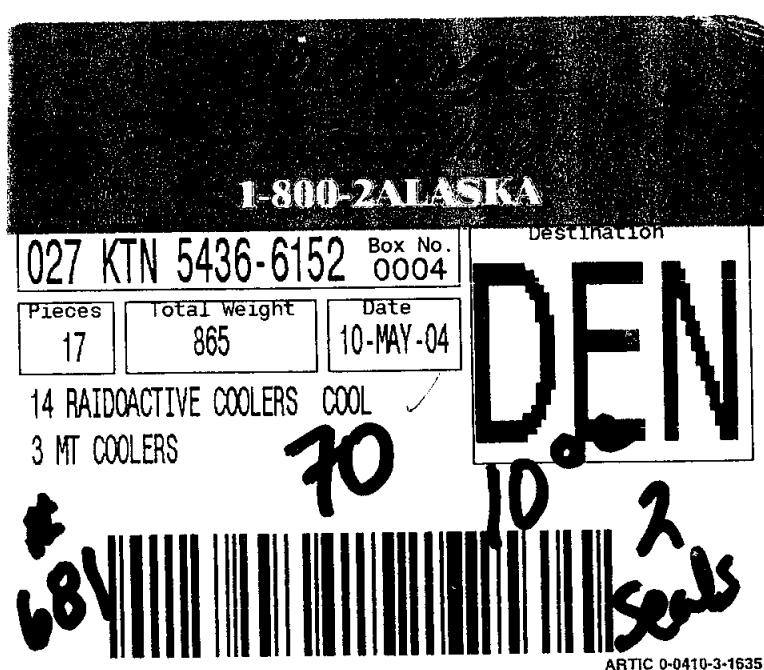
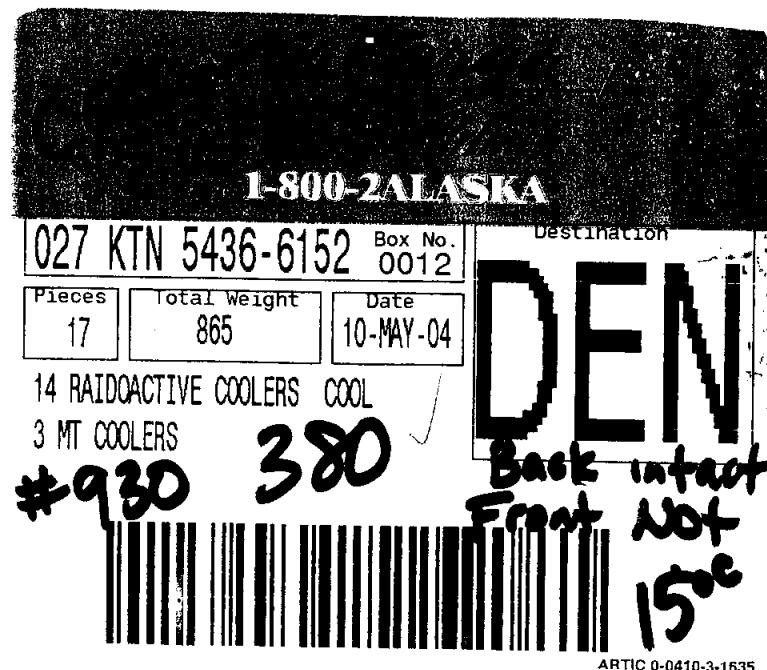
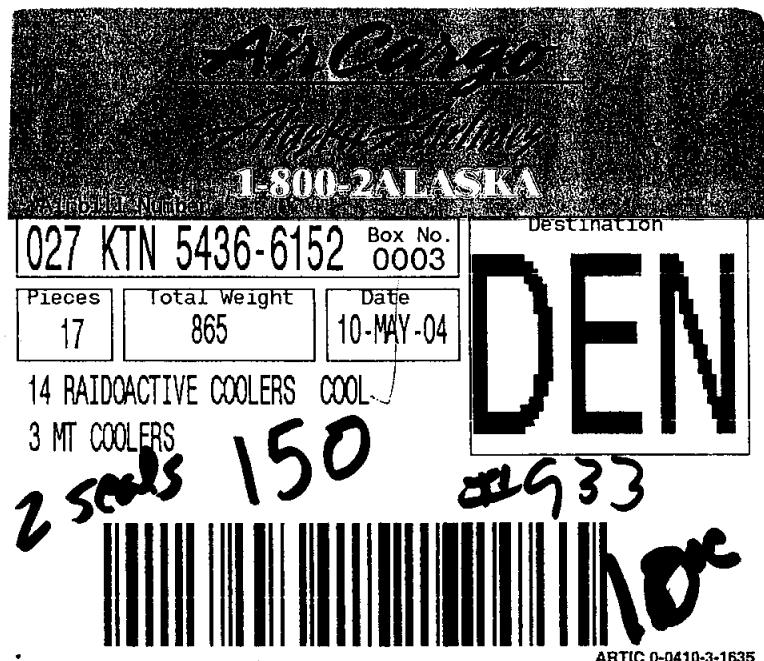
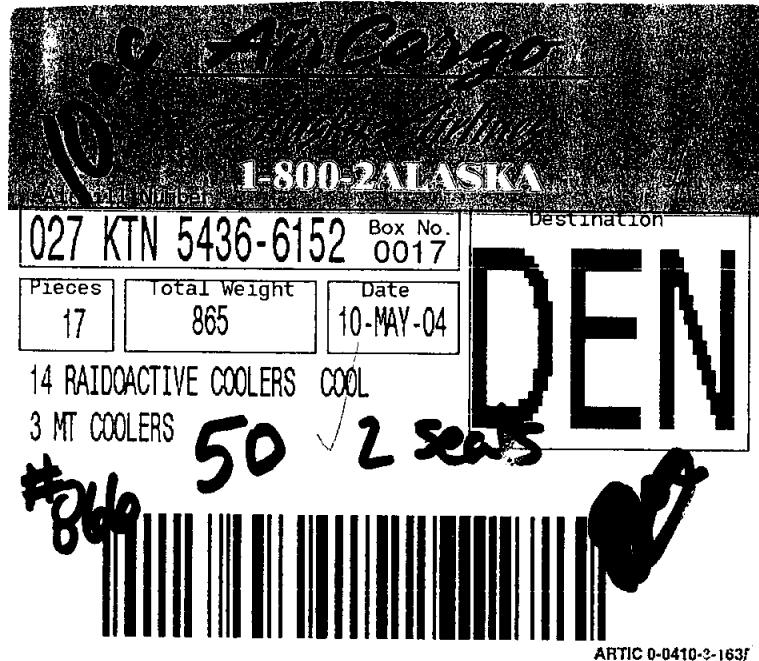
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If applicable, was the client contacted? YES NO / NA Client Rep. Name: S. KentDate/Time: 5/13/04Project Manager Signature/ Date: DJ 5/13/04

SAMPLE LOGIN / DOT SURVEY

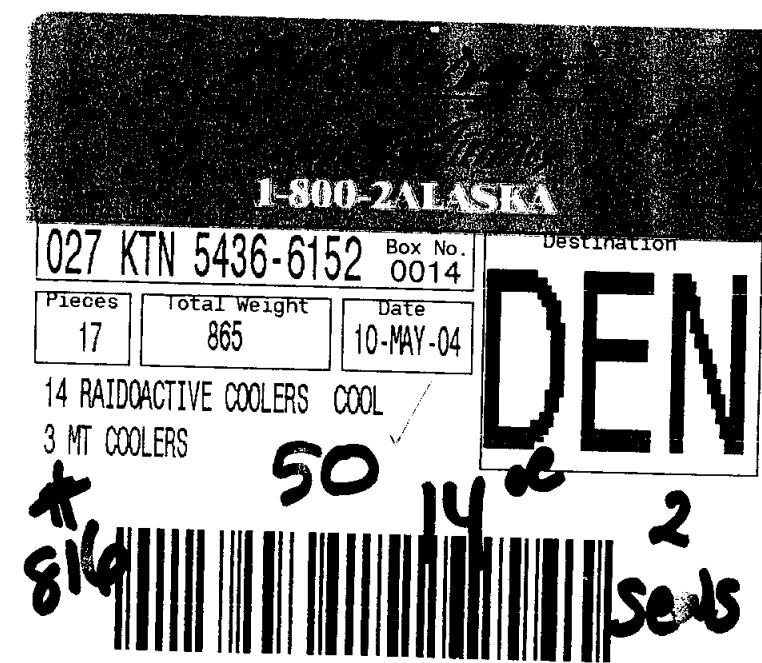
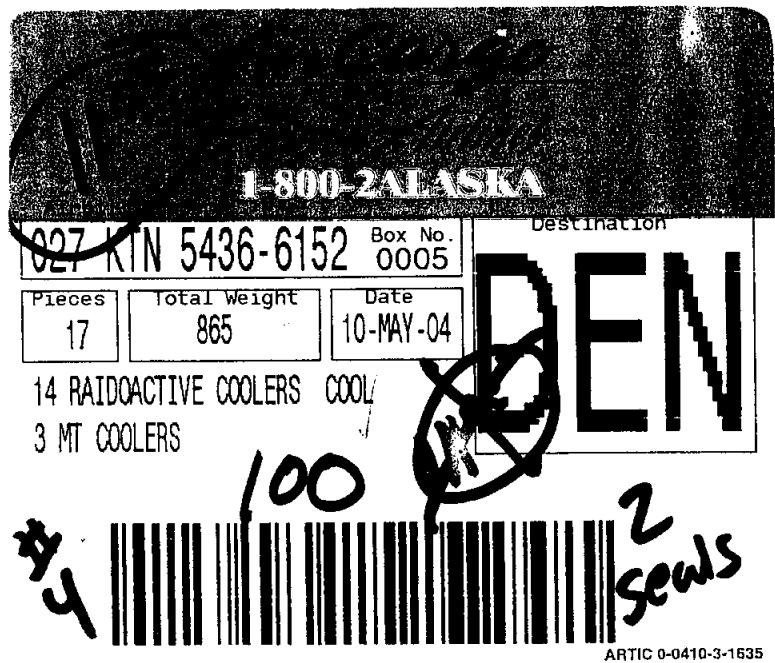
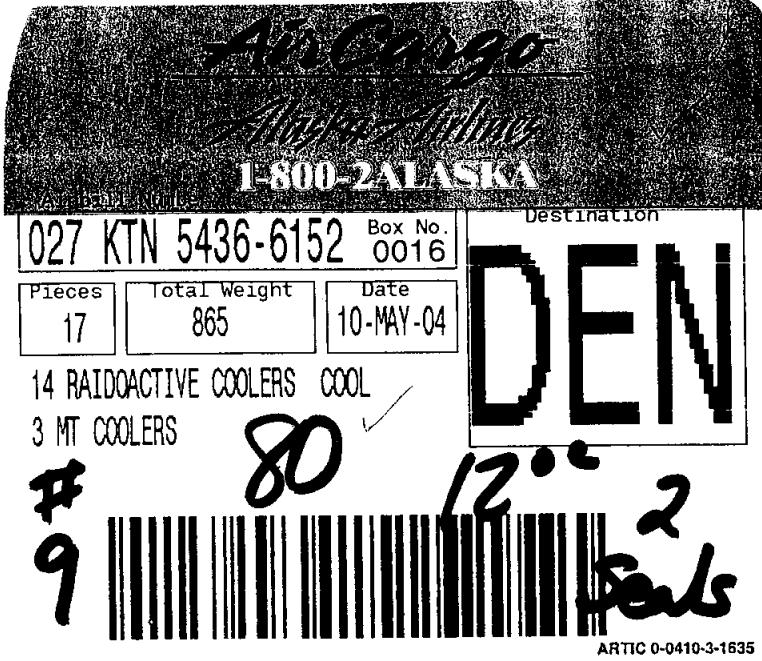
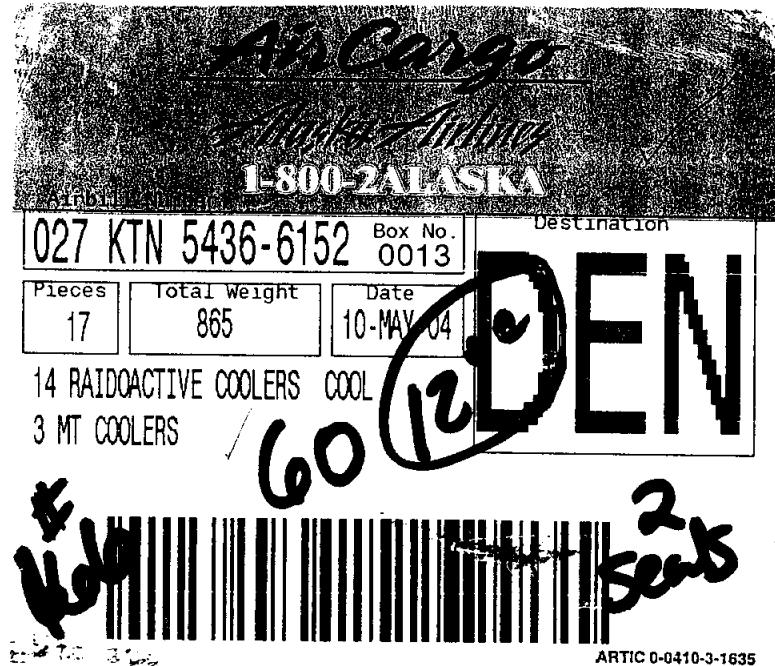
Client: Kent & SullivanWorkorder No: 0405095Project Manager: Debbie FazioInitials: AW Date: 5/12/04COOLER #: 816External Micro R Meter Reading (μ R/hr): 50**Paragon Sample ID:**
0405095-5-4**Client Sample ID:**
SW-06**Micro R Meter Reading (μ R/hr):**
< backgroundCOOLER #: 4External Micro R Meter Reading (μ R/hr): 100**Paragon Sample ID:**
0405095-6-2
0405095-6-3
0405095-6-4
0405095-6-6
0405095-6-7
0405095-7-1
0405095-7-2
0405095-7-3
0405095-10-5**Client Sample ID:**
SW-07
SW-07
SW-07
SW-07
SW-07
SW-08
SW-08
SW-08
SW-11**Micro R Meter Reading (μ R/hr):**
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0405095



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Inorganic Qualifiers

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Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Result qualifier -- If the analyte was analyzed for but not detected a "U" is entered.
- QC qualifier -- Specified entries and their meanings are as follows:
 - E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
 - M - Duplicate injection precision was not met.
 - N - Spiked sample recovery not within control limits. A post spike is analyzed for all 6020A analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
 - Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
 - * - Duplicate analysis (relative percent difference) not within control limits.

Sample Results

Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SW-01
Lab ID:	0405095-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 05-May-04

Date Extracted: 21-Jun-04

Date Analyzed: 22-Jun-04

Prep Method: SW3005A

Prep Batch: IP040621-3

QCBatchID: IP040621-3-1

Run ID: IM040622-1A1

Cleanup: NONE

Basis: As Received

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: ug/l

Clean DF: 1

File Name: 22JUN04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	94	20		
7440-43-9	CADMIUM	10	0.3	0.3	U	
7439-92-1	LEAD	10	0.5	0.5	U	
7440-61-1	URANIUM	10	0.1	0.1	U	

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

Paragon Analytics

LIMS Version: 5.036A

Page 1 of 10

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Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SW-02
Lab ID:	0405095-2

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 05-May-04

Date Extracted: 21-Jun-04

Date Analyzed: 22-Jun-04

Prep Method: SW3005A

Prep Batch: IP040621-3

QCBatchID: IP040621-3-1

Run ID: IM040622-1A1

Cleanup: NONE

Basis: As Received

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: ug/l

Clean DF: 1

File Name: 22JUN04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	130	20		
7440-43-9	CADMIUM	10	0.3	0.3		
7439-92-1	LEAD	10	0.5	0.5	U	
7440-61-1	URANIUM	10	0.11	0.1		

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

Paragon Analytics

LIMS Version: 5.036A

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Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SW-04
Lab ID:	0405095-3

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 04-May-04

Date Extracted: 21-Jun-04

Date Analyzed: 22-Jun-04

Prep Method: SW3005A

Prep Batch: IP040621-3

QCBatchID: IP040621-3-1

Run ID: IM040622-1A1

Cleanup: NONE

Basis: As Received

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: ug/l

Clean DF: 1

File Name: 22JUN04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	88	20		
7440-43-9	CADMIUM	10	0.3	0.3	U	
7439-92-1	LEAD	10	0.5	0.5	U	
7440-61-1	URANIUM	10	0.18	0.1		

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

Paragon Analytics

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Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SW-06
Lab ID:	0405095-5

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 06-May-04

Date Extracted: 21-Jun-04

Date Analyzed: 22-Jun-04

Prep Method: SW3005A

Prep Batch: IP040621-3

QCBatchID: IP040621-3-1

Run ID: IM040622-1A1

Cleanup: NONE

Basis: As Received

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: ug/l

Clean DF: 1

File Name: 22JUN04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	100	20		
7440-43-9	CADMIUM	10	0.3	0.3	U	
7439-92-1	LEAD	10	0.5	0.5	U	
7440-61-1	URANIUM	10	0.77	0.1		

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SW-08
Lab ID:	0405095-7

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 03-May-04
Date Extracted: 21-Jun-04
Date Analyzed: 22-Jun-04
Prep Method: SW3005A

Prep Batch: IP040621-3
QCBatchID: IP040621-3-1
Run ID: IM040622-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1
File Name: 22JUN04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	120	20		
7440-43-9	CADMIUM	10	0.3	0.3	U	
7439-92-1	LEAD	10	0.5	0.5	U	
7440-61-1	URANIUM	10	6.6	0.1		

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SW-09
Lab ID:	0405095-8

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-May-04
Date Extracted: 21-Jun-04
Date Analyzed: 22-Jun-04
Prep Method: SW3005A

Prep Batch: IP040621-3
QCBatchID: IP040621-3-1
Run ID: IM040622-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1
File Name: 22JUN04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	130	20		
7440-43-9	CADMIUM	10	0.3	0.3	U	
7439-92-1	LEAD	10	0.5	0.5	U	
7440-61-1	URANIUM	10	14	0.1		

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SW-10
Lab ID:	0405095-9

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 05-May-04

Date Extracted: 21-Jun-04

Date Analyzed: 22-Jun-04

Prep Method: SW3005A

Prep Batch: IP040621-3

QCBatchID: IP040621-3-1

Run ID: IM040622-1A1

Cleanup: NONE

Basis: As Received

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: ug/l

Clean DF: 1

File Name: 22JUN04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	98	20		
7440-43-9	CADMIUM	10	0.3	0.3	U	
7439-92-1	LEAD	10	0.5	0.5	U	
7440-61-1	URANIUM	10	0.76	0.1		

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SW-11
Lab ID:	0405095-10

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 06-May-04

Date Extracted: 21-Jun-04

Date Analyzed: 22-Jun-04

Prep Method: SW3005A

Prep Batch: IP040621-3

QCBatchID: IP040621-3-1

Run ID: IM040622-1A1

Cleanup: NONE

Basis: As Received

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: ug/l

Clean DF: 1

File Name: 22JUN04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	130	20		
7440-43-9	CADMIUM	10	0.3	0.3	U	
7439-92-1	LEAD	10	0.5	0.5	U	
7440-61-1	URANIUM	10	0.8	0.1		

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	FR-01
Lab ID:	0405095-11

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 06-May-04

Date Extracted: 21-Jun-04

Date Analyzed: 22-Jun-04

Prep Method: SW3005A

Prep Batch: IP040621-3

QCBatchID: IP040621-3-1

Run ID: IM040622-1A1

Cleanup: NONE

Basis: As Received

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: ug/l

Clean DF: 1

File Name: 22JUN04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	20	20	U	
7440-43-9	CADMIUM	10	0.3	0.3	U	
7439-92-1	LEAD	10	0.5	0.5	U	
7440-61-1	URANIUM	10	0.1	0.1	U	

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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Total Recoverable ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	FR-02
Lab ID:	0405095-12

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 06-May-04

Date Extracted: 21-Jun-04

Date Analyzed: 22-Jun-04

Prep Method: SW3005A

Prep Batch: IP040621-3

QCBatchID: IP040621-3-1

Run ID: IM040622-1A1

Cleanup: NONE

Basis: As Received

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: ug/l

Clean DF: 1

File Name: 22JUN04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	36	20		
7440-43-9	CADMIUM	10	0.3	0.3	U	
7439-92-1	LEAD	10	0.75	0.5		
7440-61-1	URANIUM	10	20	0.1		

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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Summary Report Forms

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ICPMS Metals

Method SW6020 Method Blank

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: IP040621-3MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 06/21/2004

Date Analyzed: 06/22/2004

Prep Batch: IP040621-3

QCBatchID: IP040621-3-1

Run ID: IM040622-1A1

Cleanup: NONE

Basis: N/A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: ug/l

Clean DF: 1

File Name: 22JUN04A

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	20	20	U	
7440-43-9	CADMIUM	10	0.3	0.3	U	
7439-92-1	LEAD	10	0.5	0.5	U	
7440-61-1	URANIUM	10	0.1	0.1	U	

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020

Laboratory Control Sample

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: IP040621-3LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 06/21/2004

Date Analyzed: 06/22/2004

Prep Batch: IP040621-3

QCBatchID: IP040621-3-1

Run ID: IM040622-1A1

Cleanup: NONE

Basis: N/A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: ug/l

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	400	397	20		99	80 - 120%
7440-43-9	CADMIUM	100	101	0.3		101	80 - 120%
7439-92-1	LEAD	100	98.1	0.5		98	80 - 120%
7440-61-1	URANIUM	20	19.9	0.1		100	80 - 120%

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020 Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SW-02
LabID:	0405095-2MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-May-04
Date Extracted: 21-Jun-04
Date Analyzed: 22-Jun-04
Prep Method: SW3005A

Prep Batch: IP040621-3
QCBatchID: IP040621-3-1
Run ID: IM040622-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7429-90-5	ALUMINUM	130		514		20	400	97	75 - 125%
7440-43-9	CADMIUM	0.3		98.3		0.3	100	98	75 - 125%
7439-92-1	LEAD	0.5	U	98.3		0.5	100	98	75 - 125%
7440-61-1	URANIUM	0.11		19.9		0.1	20	99	75 - 125%

MSD Lab ID: 0405095-2MSD

Sample Aliquot: 50 g
Final Volume: 50 g

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
7429-90-5	ALUMINUM	400	523		20	99	2	20
7440-43-9	CADMIUM	100	99.7		0.3	99	2	20
7439-92-1	LEAD	100	100		0.5	100	2	20
7440-61-1	URANIUM	20	20.2		0.1	100	1	20

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020

Duplicate Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SW-02
Lab ID: 0405095-2D

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05/05/2004
Date Extracted: 06/21/2004
Date Analyzed: 06/22/2004

Prep Batch: IP040621-3
QCBatchID: IP040621-3-1
Run ID: IM040622-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: ug/l
Clean DF: 1
File Name: 22JUN04A

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7429-90-5	ALUMINUM	130		128		20	10	1	20
7440-43-9	CADMIUM	0.3		0.3	U	0.3	10		20
7439-92-1	LEAD	0.5	U	0.5	U	0.5	10		20
7440-61-1	URANIUM	0.11		0.106		0.1	10		20

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020 Serial Dilution

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SW-02
Lab ID:	0405095-2L

Run ID: IM040622-1A1
Date Analyzed: 22-Jun-04
Result Units: ug/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7429-90-5	ALUMINUM	12.702		14.2475			
7440-43-9	CADMIUM	0.030094		0.15	U		
7439-92-1	LEAD	0.05	U	0.25	U		
7440-61-1	URANIUM	0.010556		0.05	U		

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: ICV
QC Type: Initial Calibration

Run ID: IM040622-1A1

Date Analyzed: 06/22/2004

Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50	53.3	2		107	90 - 110%
7440-43-9	CADMIUM	12.5	12.6	0.03		101	90 - 110%
7439-92-1	LEAD	12.5	12.8	0.05		102	90 - 110%
7440-61-1	URANIUM	2.5	2.51	0.01		100	90 - 110%

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV1

Run ID: IM040622-1A1

QC Type: Continuing Calibration

Date Analyzed: 06/22/2004

Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	40	41.1	2		103	90 - 110%
7440-43-9	CADMIUM	10	9.95	0.03		100	90 - 110%
7439-92-1	LEAD	10	10.1	0.05		101	90 - 110%
7440-61-1	URANIUM	2	2.01	0.01		100	90 - 110%

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV2

QC Type: Continuing Calibration

Run ID: IM040622-1A1

Date Analyzed: 06/22/2004

Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	40	40.1	2		100	90 - 110%
7440-43-9	CADMIUM	10	10.1	0.03		101	90 - 110%
7439-92-1	LEAD	10	10	0.05		100	90 - 110%
7440-61-1	URANIUM	2	2.01	0.01		100	90 - 110%

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV3

QC Type: Continuing Calibration

Run ID: IM040622-1A1

Date Analyzed: 06/22/2004

Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	40	40.7	2		102	90 - 110%
7440-43-9	CADMIUM	10	10.2	0.03		102	90 - 110%
7439-92-1	LEAD	10	9.97	0.05		100	90 - 110%
7440-61-1	URANIUM	2	2.01	0.01		100	90 - 110%

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: ICB

QC Type: Initial Calibration

Run ID: IM040622-1A1

Date Analyzed: 06/22/2004

Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	2	2	U
7440-43-9	CADMIUM	0.03	0.03	U
7439-92-1	LEAD	0.05	0.05	U
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB1

QC Type: Initial Calibration

Run ID: IM040622-1A1

Date Analyzed: 06/22/2004

Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	2	2	U
7440-43-9	CADMIUM	0.03	0.03	U
7439-92-1	LEAD	0.05	0.05	U
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB2
QC Type: Initial Calibration

Run ID: IM040622-1A1

Date Analyzed: 06/22/2004

Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	2	2	U
7440-43-9	CADMIUM	0.03	0.03	U
7439-92-1	LEAD	0.05	0.05	U
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB3

QC Type: Initial Calibration

Run ID: IM040622-1A1

Date Analyzed: 06/22/2004

Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	2	2	U
7440-43-9	CADMIUM	0.03	0.03	U
7439-92-1	LEAD	0.05	0.05	U
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Run ID: IM040622-1A1

Date Analyzed: 06/22/2004

Result Units: ug/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-43-9	CADMUM		10		10	100
7439-92-1	LEAD		10		10.6000	106
7440-61-1	URANIUM		2		2.28	114

Data Package ID: IM0405095-2

Date Printed: Thursday, June 24, 2004

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Metals Linear Ranges

Lab Name: Paragon Analytics

Work Order Number: 0405095

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Instrument ID: ICPMS

Active Date: 04/16/2004

Expiration Date: 07/15/2004

CASNO	Target Analyte	Concentration (ppm)
7429-90-5	ALUMINUM	0.2
7440-36-0	ANTIMONY	0.01
7440-38-2	ARSENIC	0.02
7440-43-9	CADMIUM	0.05
7439-92-1	LEAD	0.05
7782-49-2	SELENIUM	0.02
7440-22-4	SILVER	0.01
7440-28-0	THALLIUM	0.0005
7440-61-1	URANIUM	0.01
7440-62-2	VANADIUM	0.01

ICPMS Run Log -- 6/22/2004

Instrument ID: ICPMS

File Name: 22JUN04A

AnalRunID: IM040622-1A1

CalibRefID: IM040622-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
	0	0 STD			6/22/2004	11:26	
	RL	RL ST			6/22/2004	11:30	
	LOW	LOW S			6/22/2004	11:34	
	MID	MID S			6/22/2004	11:37	
	HIGH	HIGH			6/22/2004	11:41	
	MIXAHIGH	MIXAH	1		6/22/2004	11:45	
	ICV	ICV	1		6/22/2004	11:49	
	ICB	ICB	1		6/22/2004	11:57	
	CRI1	CRI	1		6/22/2004	12:03	
	ICSA1	ICSA	1		6/22/2004	12:07	
	ICSAB1	ICSAB	1		6/22/2004	12:11	
	CCV1	CCV	1		6/22/2004	12:14	
	CCB1	CCB	1		6/22/2004	12:29	
	IP040621-3	MB	10		6/22/2004	12:33	IP040621-3
	IP040621-3	LCS	10		6/22/2004	12:37	IP040621-3
SW-01	0405095-1	SMP	10		6/22/2004	12:41	IP040621-3
SW-02	0405095-2	SMP	10		6/22/2004	12:44	IP040621-3
SW-02	0405095-2	DUP	10		6/22/2004	12:48	IP040621-3
SW-02	0405095-2	SER	50		6/22/2004	12:52	IP040621-3
SW-02	0405095-2	MS	10		6/22/2004	12:56	IP040621-3
SW-02	0405095-2	MSD	10		6/22/2004	12:59	IP040621-3
SW-04	0405095-3	SMP	10		6/22/2004	13:03	IP040621-3
SW-06	0405095-5	SMP	10		6/22/2004	13:07	IP040621-3
	CCV2	CCV	1		6/22/2004	13:11	
	CCB2	CCB	1		6/22/2004	13:15	
SW-08	0405095-7	SMP	10		6/22/2004	13:18	IP040621-3
SW-09	0405095-8	SMP	10		6/22/2004	13:22	IP040621-3
SW-10	0405095-9	SMP	10		6/22/2004	13:26	IP040621-3
SW-11	0405095-10	SMP	10		6/22/2004	13:30	IP040621-3
FR-01	0405095-11	SMP	10		6/22/2004	13:34	IP040621-3
FR-02	0405095-12	SMP	10		6/22/2004	13:37	IP040621-3
	CCV3	CCV	1		6/22/2004	13:41	
	CCB3	CCB	1		6/22/2004	13:45	
	IP040611-4	MB	10		6/22/2004	13:52	IP040611-4
	IP040611-4	LCS	10		6/22/2004	13:56	IP040611-4

Data Package ID: IM0405095-2

ICPMS Run Log -- 6/22/2004

Instrument ID: ICPMS

File Name: 22JUN04A

AnalRunID: IM040622-1A1

CalibRefID: IM040622-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0406055-9	SMP	10	6/22/2004	14:00	IP040611-4
		0406055-9	DUP	10	6/22/2004	14:04	IP040611-4
		0406055-9	SER	50	6/22/2004	14:07	IP040611-4
		0406055-9	MS	10	6/22/2004	14:19	IP040611-4
		0406055-9	MSD	10	6/22/2004	14:25	IP040611-4
		0405097-19	SMP	10000	6/22/2004	14:28	IP040611-4
		0405097-21	SMP	10000	6/22/2004	14:32	IP040611-4
		0405097-23	SMP	10000	6/22/2004	14:36	IP040611-4
		CCV4	CCV	1	6/22/2004	14:40	
		CCB4	CCB	1	6/22/2004	14:43	
		0405097-28	SMP	10000	6/22/2004	14:47	IP040611-4
		0405097-19	SMP	20000	6/22/2004	14:57	IP040611-4
		0405097-21	SMP	20000	6/22/2004	15:01	IP040611-4
		0405097-23	SMP	20000	6/22/2004	15:04	IP040611-4
		0406050-20	SMP	10	6/22/2004	15:08	IP040622-22
		0406050-20	SER	50	6/22/2004	15:12	IP040622-22
		0406050-20	MS	10	6/22/2004	15:16	IP040622-22
		0406050-20	MSD	10	6/22/2004	15:19	IP040622-22
		0406050-1	SMP	1000	6/22/2004	15:23	IP040622-22
		0406050-2	SMP	1000	6/22/2004	15:27	IP040622-21
		CCV5	CCV	1	6/22/2004	15:31	
		CCB5	CCB	1	6/22/2004	15:35	
		0406050-3	SMP	1000	6/22/2004	15:38	IP040622-22
		0406050-4	SMP	1000	6/22/2004	15:42	IP040622-22
		0406050-4	SER	5000	6/22/2004	15:46	IP040622-22
		0406050-4	MS	1000	6/22/2004	15:50	IP040622-22
		0406050-4	MSD	1000	6/22/2004	15:53	IP040622-22
		CCV6	CCV	1	6/22/2004	15:57	
		CCB6	CCB	1	6/22/2004	16:01	

Data Package ID: IM0405095-2

Raw Data

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HEADER INFORMATION FOR ANALYTICAL SEQUENCE MS040622A

REM

Reviewed
SW

STANDARD SOLUTIONS

ST040608-12 = 40 PPM - Al; 10 PPM - Cd, Pb; 4 PPM - As, Se; 2 PPM - Ag, Sb, U, Mo; 0.4 PPM - Th; 0.1 PPM - Tl. 6/24/04

EXPIRES: 09/30/05.

CALIBRATION STANDARDS

HIGH STD (200 ppb - Al; 50 ppb - Cd, Pb; 20 ppb - As, Se; 10ppb - Ag, Sb, U, Mo; 2 ppb - Th; 0.5ppb - Tl.) Made daily by diluting (ST040608-12) 200 fold, (0.05ml up to a 10 ml final volume).

MID LEVEL STD (40 ppb - Al; 10 ppb - Cd, Pb; 4 ppb - As, Se; 2ppb - Ag, Sb, U, Mo; 0.4 ppb - Th; 0.1ppb - Tl.) Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST040608-12).

LOW LEVEL STD (20 ppb - Al; 5 ppb - Cd, Pb; 2 ppb - As, Se; 1ppb - Ag, Sb, U, Mo; 0.2 ppb - Th; 0.05ppb - Tl.) Made daily by diluting 1.0ml of the HIGH STD calibration standard up to a 10ml final volume, (2000 fold dilution of ST040608-12).

RL STD - Made daily by diluting (RL Intermediate ST040608-11--EXPIRES 09/30/05) 200 fold, (0.05ml up to a 10ml final volume). When ST040608-11 is diluted 200 fold it yields a solution at the reporting limit. (2 ppb - Al; 0.2 ppb - As; 0.1 ppb - Se,Mo; 0.05 ppb - Pb; 0.03 ppb - Cd, Sb; 0.02 ppb - Tl, Th; 0.01 ppb - Ag,U.)

INTERFERENCE CHECK SOLUTIONS

ICSA Made daily by diluting 0.1ml of (ST031124-5--EXPIRES: 12/01/04) up to a 10ml final volume, (100 fold dilution). The ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2

ICSAB Made daily by diluting 0.1ml of (ST031124-5--EXPIRES: 12/01/04) and 2ml of the HIGH STD calibration standard up to a 10ml final volume. (This solution is a 100 fold dilution of ST031124-5 and a 1000 fold dilution of ST040608-12.) The ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2
Cd,Pb	0.01
As,Se	0.004
Ag,Sb,U	0.002
Tl	0.0001

ICSA_MO – Direct analysis of (ST040610-2 Expires 11-07-05). This solution is custom and made to be as close as possible to the ICSA above, without Mo. This ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2

ICSAB_MO Made daily by diluting 0.04ml of (ST040608-13--EXPIRES: 10/22/04) up to a 10ml final volume with ICSA (Mo) solution above (ST040610-2 Expires 11-07-05). (This solution is a 250 fold dilution of ST040608-13.) This ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2
Mo	0.002
Cd,Pb	0.01
As,Se	0.004
Ag,Sb,U	0.002
Tl	0.0001

CALIBRATION CHECK STANDARDS

ICV Made daily by diluting ICV second source intermediate (ST040608-13--EXPIRES: 10/22/04) 200 fold, (0.05ml up to a 10ml final volume). The ICV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	50
Cd,Pb	12.5
As,Se	5
Ag,Sb,U,Mo	2.5
Th	0.5
Tl	0.125

CCV Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST040608-12). The CCV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	40
Cd,Pb	10
As,Se	4
Ag,Sb,U,Mo	2
Th	0.4
Tl	0.1

CRI Re-analysis of the RL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	2.0
As	0.2
Se,Mo	0.1
Pb	0.05
Cd,Sb	0.03
Tl,Th	0.02
Ag,U	0.01

BLANK

ICB / CCB and all diluent – 1% HNO₃, 1% HCl in double deionized water.

INTERNAL STANDARDS

Internal Standard Intermediate (ST040610-3--EXPIRES: 03/01/05) contains 1 PPM each of Bi, Rh, In; and 2 PPM each of Be, Ga, Pt. This intermediate is added to all standards and samples in the same proportion of 1 on top of 100. Most often this is done by adding 0.05ml of Internal Standard Intermediate on top of 5ml of sample or standard. The final concentration of internal standard in the working solutions or samples is about 10 ppb In, Rh, Bi; and 20 ppb Be, Ga, Pt.

ACID LOT NUMBERS

HNO₃ – Y42044

HCl – Y25027

PIPET ID NUMBERS

1.0 to 5.0ml -- M-58

0.1 to 1.0ml – MS-50

0.01 to 0.1ml -- M-56

DILUTIONS

2X dilutions made by diluting 5ml of sample to a 10ml final volume.

5X dilutions made by diluting 1ml of sample to a 5ml final volume.

10X dilutions made by diluting 1ml of sample to a 10ml final volume.

50X dilutions made by diluting 0.1ml of sample to a 5ml final volume.

100X dilutions made by diluting 0.1ml of sample to a 10ml final volume.

200X dilutions made by diluting 0.05ml of sample to a 10ml final volume.

ANALYTICAL SPIKES

0406050-4 AND -20 spiked for U at 2ppb by diluting 0.02ml of (ST040608-13 = 0.5ppm U) up to a 5ml final volume with the 1000 fold dilution of sample #1 and up to 5ml final volume with the ten fold dilution of sample #20.

DAILY MAINTENANCE ITEMS

1. Check / change pump tubing
2. Check / empty drain containers
3. Tune instrument per manufacturer's procedures
4. Perform ten minute stability test (include results with data package)

MONTHLY MAINTENANCE ITEMS

1. Check / clean torch and cones for deposits
2. Check / clean nebulizer and spray chamber

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3. Check / fill water recirculating reservoirs
4. Check / fill vacuum pump oil

COMMENTS

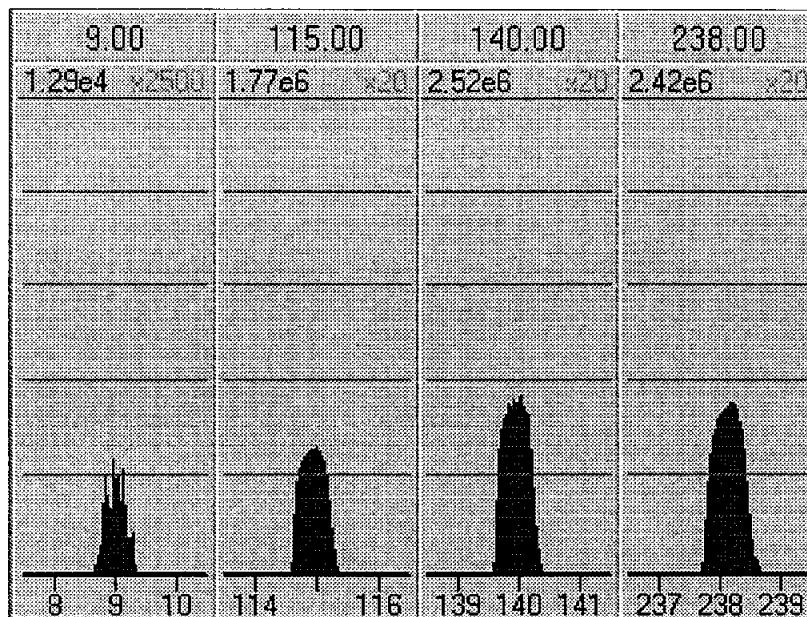
IDL / MDL working solution is made by diluting (MDL/IDL Intermediate ST040609-5) 1,000 fold.
(0.1ml up to a 100ml final volume.)

The IDL / MDL working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	1.0
Cd,Tl	0.005
As	0.06
Pb	0.04
Se,Sb,Mo	0.02
Th	0.01
U	0.002
Ag	0.004

Method: C:\MASSLYNX\AUG2002.PRO\ACQUDB\14AUGJTF TUNE

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ANALYSER	Set	Rdbk	TORCH	Set
Cone Lens	50	-66	X-Axis	2.38 2.39
Hex Exit Lens	400	419	Y-Axis	-0.60 -0.62
Hex Bias	0.2		Z-Axis	-0.40 -0.41
LM Resolution	12.5		Forward Power	1350 1349
High Resolution	12.5			
Ion Energy	2.0		GAS	Set
Multiplier	500	-517	Cool Gas	13.50 13.49
			Intermediate Gas	0.81 0.81
			Nebuliser Gas 1	0.81 0.81
			Nebuliser Gas 2	0.00 0.01
Pressures	Rdbk		Helium	5.5 5.5
Analyser Vacuum	2.6e-5		Hydrogen	3.0 3.0
			Hexapole Aux	0.00 0.35
			Laser Gas	0.00 0.30

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 1: 9Be

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq	Dat
1	22JUN04 01			10846		0.167	22-Jun-	
2	22JUN04 02			10791		0.168	22-Jun-	
3	22JUN04 03			10579		0.160	22-Jun-	
4	22JUN04 04			10711		0.181	22-Jun-	
5	22JUN04 05			10584		0.149	22-Jun-	
6	22JUN04 06			10486		0.161	22-Jun-	
7	22JUN04 07			10287		0.171	22-Jun-	
8	22JUN04 08			9965		0.187	22-Jun-	
9	22JUN04 09			9669		0.183	22-Jun-	
10	22JUN04 10			9384		0.181	22-Jun-	
11	22JUN04 11			9048		0.205	22-Jun-	
12	22JUN04 12			9037		0.156	22-Jun-	
13	22JUN04 13			9059		0.228	22-Jun-	
14	22JUN04 14			9325		0.199	22-Jun-	
15	22JUN04 15			9289		0.180	22-Jun-	
16	22JUN04 16			9205		0.192	22-Jun-	
17	22JUN04 17			9494		0.190	22-Jun-	
18	22JUN04 18			9380		0.189	22-Jun-	
19	22JUN04 19			9372		0.156	22-Jun-	
20	22JUN04 20			9556		0.163	22-Jun-	
21	22JUN04 21			9549		0.138	22-Jun-	
22	22JUN04 22			9570		0.190	22-Jun-	
23	22JUN04 23			9441		0.176	22-Jun-	
24	22JUN04 24			9574		0.163	22-Jun-	
25	22JUN04 25			9517		0.199	22-Jun-	
26	22JUN04 26			9542		0.173	22-Jun-	
27	22JUN04 27			9272		0.204	22-Jun-	
28	22JUN04 28			8978		0.191	22-Jun-	
29	22JUN04 29			9110		0.164	22-Jun-	
30	22JUN04 30			9030		0.201	22-Jun-	

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

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Compound 2: 24Mg

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			101379		0.042	22-Jun-C
2	22JUN04 02			101287		0.038	22-Jun-C
3	22JUN04 03			99252		0.039	22-Jun-C
4	22JUN04 04			99750		0.038	22-Jun-C
5	22JUN04 05			100232		0.039	22-Jun-C
6	22JUN04 06			97295		0.042	22-Jun-C
7	22JUN04 07			97338		0.041	22-Jun-C
8	22JUN04 08			94610		0.039	22-Jun-C
9	22JUN04 09			91365		0.040	22-Jun-C
10	22JUN04 10			88529		0.054	22-Jun-C
11	22JUN04 11			86440		0.048	22-Jun-C
12	22JUN04 12			85914		0.041	22-Jun-C
13	22JUN04 13			87321		0.040	22-Jun-C
14	22JUN04 14			90022		0.044	22-Jun-C
15	22JUN04 15			88670		0.040	22-Jun-C
16	22JUN04 16			89032		0.038	22-Jun-C
17	22JUN04 17			91684		0.042	22-Jun-C
18	22JUN04 18			91066		0.041	22-Jun-C
19	22JUN04 19			92159		0.054	22-Jun-C
20	22JUN04 20			91572		0.038	22-Jun-C
21	22JUN04 21			91183		0.042	22-Jun-C
22	22JUN04 22			92844		0.046	22-Jun-C
23	22JUN04 23			90744		0.044	22-Jun-C
24	22JUN04 24			90808		0.049	22-Jun-C
25	22JUN04 25			90894		0.047	22-Jun-C
26	22JUN04 26			90217		0.041	22-Jun-C
27	22JUN04 27			89123		0.041	22-Jun-C
28	22JUN04 28			87137		0.038	22-Jun-C
29	22JUN04 29			88527		0.046	22-Jun-C
30	22JUN04 30			88283		0.042	22-Jun-C

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Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

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Compound 3: 59Co

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq	Dat
1	22JUN04 01			572055		0.014	22-Jun-	
2	22JUN04 02			570654		0.014	22-Jun-	
3	22JUN04 03			564555		0.012	22-Jun-	
4	22JUN04 04			567356		0.013	22-Jun-	
5	22JUN04 05			565790		0.013	22-Jun-	
6	22JUN04 06			554647		0.016	22-Jun-	
7	22JUN04 07			552644		0.013	22-Jun-	
8	22JUN04 08			538669		0.011	22-Jun-	
9	22JUN04 09			519541		0.012	22-Jun-	
10	22JUN04 10			508397		0.019	22-Jun-	
11	22JUN04 11			495307		0.012	22-Jun-	
12	22JUN04 12			492604		0.014	22-Jun-	
13	22JUN04 13			501229		0.014	22-Jun-	
14	22JUN04 14			513815		0.016	22-Jun-	
15	22JUN04 15			503699		0.017	22-Jun-	
16	22JUN04 16			505630		0.013	22-Jun-	
17	22JUN04 17			521321		0.014	22-Jun-	
18	22JUN04 18			516856		0.014	22-Jun-	
19	22JUN04 19			518110		0.013	22-Jun-	
20	22JUN04 20			517624		0.013	22-Jun-	
21	22JUN04 21			511119		0.012	22-Jun-	
22	22JUN04 22			523987		0.013	22-Jun-	
23	22JUN04 23			515287		0.017	22-Jun-	
24	22JUN04 24			516186		0.013	22-Jun-	
25	22JUN04 25			516194		0.011	22-Jun-	
26	22JUN04 26			513080		0.013	22-Jun-	
27	22JUN04 27			504467		0.014	22-Jun-	
28	22JUN04 28			495337		0.013	22-Jun-	
29	22JUN04 29			500235		0.014	22-Jun-	
30	22JUN04 30			498609		0.013	22-Jun-	

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 4: 60Ni

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			106076		0.034	22-Jun-04
2	22JUN04 02			105625		0.032	22-Jun-04
3	22JUN04 03			104805		0.035	22-Jun-04
4	22JUN04 04			105261		0.033	22-Jun-04
5	22JUN04 05			104771		0.034	22-Jun-04
6	22JUN04 06			102456		0.036	22-Jun-04
7	22JUN04 07			102822		0.031	22-Jun-04
8	22JUN04 08			99450		0.038	22-Jun-04
9	22JUN04 09			96434		0.030	22-Jun-04
10	22JUN04 10			94384		0.047	22-Jun-04
11	22JUN04 11			91766		0.037	22-Jun-04
12	22JUN04 12			90776		0.043	22-Jun-04
13	22JUN04 13			92839		0.038	22-Jun-04
14	22JUN04 14			95954		0.038	22-Jun-04
15	22JUN04 15			93616		0.038	22-Jun-04
16	22JUN04 16			93899		0.036	22-Jun-04
17	22JUN04 17			97152		0.041	22-Jun-04
18	22JUN04 18			95812		0.032	22-Jun-04
19	22JUN04 19			95885		0.040	22-Jun-04
20	22JUN04 20			95559		0.035	22-Jun-04
21	22JUN04 21			94796		0.038	22-Jun-04
22	22JUN04 22			97097		0.036	22-Jun-04
23	22JUN04 23			95329		0.046	22-Jun-04
24	22JUN04 24			96151		0.036	22-Jun-04
25	22JUN04 25			95486		0.028	22-Jun-04
26	22JUN04 26			95256		0.033	22-Jun-04
27	22JUN04 27			93701		0.032	22-Jun-04
28	22JUN04 28			91911		0.037	22-Jun-04
29	22JUN04 29			92410		0.038	22-Jun-04
30	22JUN04 30			92644		0.031	22-Jun-04

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Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 5: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			1819046		0.006	22-Jun-0
2	22JUN04 02			1816230		0.006	22-Jun-0
3	22JUN04 03			1800779		0.006	22-Jun-0
4	22JUN04 04			1803686		0.006	22-Jun-0
5	22JUN04 05			1786519		0.006	22-Jun-0
6	22JUN04 06			1752606		0.006	22-Jun-0
7	22JUN04 07			1751447		0.007	22-Jun-0
8	22JUN04 08			1704794		0.006	22-Jun-0
9	22JUN04 09			1642888		0.006	22-Jun-0
10	22JUN04 10			1605421		0.009	22-Jun-0
11	22JUN04 11			1568256		0.006	22-Jun-0
12	22JUN04 12			1553845		0.006	22-Jun-0
13	22JUN04 13			1582411		0.007	22-Jun-0
14	22JUN04 14			1617001		0.006	22-Jun-0
15	22JUN04 15			1581689		0.007	22-Jun-0
16	22JUN04 16			1586357		0.006	22-Jun-0
17	22JUN04 17			1625374		0.007	22-Jun-0
18	22JUN04 18			1615496		0.006	22-Jun-0
19	22JUN04 19			1619004		0.007	22-Jun-0
20	22JUN04 20			1615782		0.007	22-Jun-0
21	22JUN04 21			1604247		0.006	22-Jun-0
22	22JUN04 22			1627257		0.006	22-Jun-0
23	22JUN04 23			1605933		0.010	22-Jun-0
24	22JUN04 24			1599593		0.005	22-Jun-0
25	22JUN04 25			1597003		0.006	22-Jun-0
26	22JUN04 26			1588932		0.006	22-Jun-0
27	22JUN04 27			1556345		0.008	22-Jun-0
28	22JUN04 28			1539253		0.007	22-Jun-0
29	22JUN04 29			1549327		0.008	22-Jun-0
30	22JUN04 30			1546118		0.007	22-Jun-0

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 6: 140Ce

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			2461877		0.004	22-Jun-04
2	22JUN04 02			2460973		0.006	22-Jun-04
3	22JUN04 03			2433928		0.005	22-Jun-04
4	22JUN04 04			2433325		0.005	22-Jun-04
5	22JUN04 05			2411761		0.005	22-Jun-04
6	22JUN04 06			2361645		0.005	22-Jun-04
7	22JUN04 07			2359236		0.006	22-Jun-04
8	22JUN04 08			2292917		0.005	22-Jun-04
9	22JUN04 09			2213105		0.004	22-Jun-04
10	22JUN04 10			2160459		0.008	22-Jun-04
11	22JUN04 11			2115720		0.005	22-Jun-04
12	22JUN04 12			2098522		0.006	22-Jun-04
13	22JUN04 13			2138594		0.006	22-Jun-04
14	22JUN04 14			2174916		0.005	22-Jun-04
15	22JUN04 15			2136742		0.005	22-Jun-04
16	22JUN04 16			2144979		0.006	22-Jun-04
17	22JUN04 17			2200215		0.005	22-Jun-04
18	22JUN04 18			2185337		0.005	22-Jun-04
19	22JUN04 19			2179373		0.006	22-Jun-04
20	22JUN04 20			2184975		0.004	22-Jun-04
21	22JUN04 21			2150340		0.005	22-Jun-04
22	22JUN04 22			2185156		0.005	22-Jun-04
23	22JUN04 23			2149918		0.008	22-Jun-04
24	22JUN04 24			2150340		0.006	22-Jun-04
25	22JUN04 25			2141485		0.005	22-Jun-04
26	22JUN04 26			2129318		0.006	22-Jun-04
27	22JUN04 27			2093598		0.006	22-Jun-04
28	22JUN04 28			2067863		0.006	22-Jun-04
29	22JUN04 29			2083885		0.006	22-Jun-04
30	22JUN04 30			2084279		0.005	22-Jun-04

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 7: 140CeO

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq	Dat
1	22JUN04 01			123361		0.067	22-Jun-	C
2	22JUN04 02			125196		0.053	22-Jun-	C
3	22JUN04 03			124776		0.063	22-Jun-	C
4	22JUN04 04			127224		0.053	22-Jun-	C
5	22JUN04 05			127486		0.068	22-Jun-	C
6	22JUN04 06			125903		0.062	22-Jun-	C
7	22JUN04 07			131737		0.057	22-Jun-	C
8	22JUN04 08			117908		0.056	22-Jun-	C
9	22JUN04 09			112837		0.060	22-Jun-	C
10	22JUN04 10			110637		0.062	22-Jun-	C
11	22JUN04 11			102043		0.059	22-Jun-	C
12	22JUN04 12			99435		0.060	22-Jun-	C
13	22JUN04 13			99953		0.056	22-Jun-	C
14	22JUN04 14			101020		0.051	22-Jun-	C
15	22JUN04 15			95900		0.058	22-Jun-	C
16	22JUN04 16			95101		0.057	22-Jun-	C
17	22JUN04 17			102760		0.062	22-Jun-	C
18	22JUN04 18			104140		0.057	22-Jun-	C
19	22JUN04 19			105889		0.059	22-Jun-	C
20	22JUN04 20			108156		0.052	22-Jun-	C
21	22JUN04 21			109157		0.064	22-Jun-	C
22	22JUN04 22			116077		0.061	22-Jun-	C
23	22JUN04 23			114628		0.057	22-Jun-	C
24	22JUN04 24			115622		0.065	22-Jun-	C
25	22JUN04 25			116602		0.046	22-Jun-	C
26	22JUN04 26			114847		0.060	22-Jun-	C
27	22JUN04 27			113057		0.062	22-Jun-	C
28	22JUN04 28			101594		0.080	22-Jun-	C
29	22JUN04 29			100067		0.059	22-Jun-	C
30	22JUN04 30			98667		0.059	22-Jun-	C

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Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 11: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			1734950		0.000	22-Jun-
2	22JUN04 02			1730841		0.000	22-Jun-
3	22JUN04 03			1724701		0.000	22-Jun-
4	22JUN04 04			1726442		0.000	22-Jun-
5	22JUN04 05			1713404		0.000	22-Jun-
6	22JUN04 06			1672889		0.000	22-Jun-
7	22JUN04 07			1676936		0.000	22-Jun-
8	22JUN04 08			1614015		0.000	22-Jun-
9	22JUN04 09			1557378		0.000	22-Jun-
10	22JUN04 10			1508987		0.000	22-Jun-
11	22JUN04 11			1491469		0.000	22-Jun-
12	22JUN04 12			1487272		0.000	22-Jun-
13	22JUN04 13			1507807		0.000	22-Jun-
14	22JUN04 14			1546080		0.000	22-Jun-
15	22JUN04 15			1513764		0.000	22-Jun-
16	22JUN04 16			1521717		0.000	22-Jun-
17	22JUN04 17			1561459		0.000	22-Jun-
18	22JUN04 18			1550879		0.000	22-Jun-
19	22JUN04 19			1553071		0.000	22-Jun-
20	22JUN04 20			1556573		0.000	22-Jun-
21	22JUN04 21			1542113		0.000	22-Jun-
22	22JUN04 22			1554687		0.000	22-Jun-
23	22JUN04 23			1513888		0.000	22-Jun-
24	22JUN04 24			1530514		0.000	22-Jun-
25	22JUN04 25			1528261		0.000	22-Jun-
26	22JUN04 26			1506660		0.000	22-Jun-
27	22JUN04 27			1482408		0.000	22-Jun-
28	22JUN04 28			1462779		0.000	22-Jun-
29	22JUN04 29			1479683		0.000	22-Jun-
30	22JUN04 30			1478599		0.000	22-Jun-

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 12: 209Bi

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq	Dat
1	22JUN04 01			1509948		0.007	22-Jun-(
2	22JUN04 02			1499723		0.007	22-Jun-(
3	22JUN04 03			1495507		0.008	22-Jun-(
4	22JUN04 04			1494272		0.007	22-Jun-(
5	22JUN04 05			1485975		0.007	22-Jun-(
6	22JUN04 06			1446716		0.007	22-Jun-(
7	22JUN04 07			1454201		0.008	22-Jun-(
8	22JUN04 08			1401645		0.007	22-Jun-(
9	22JUN04 09			1351725		0.007	22-Jun-(
10	22JUN04 10			1312708		0.012	22-Jun-(
11	22JUN04 11			1296535		0.007	22-Jun-(
12	22JUN04 12			1292378		0.006	22-Jun-(
13	22JUN04 13			1314635		0.009	22-Jun-(
14	22JUN04 14			1340356		0.007	22-Jun-(
15	22JUN04 15			1314199		0.008	22-Jun-(
16	22JUN04 16			1320282		0.006	22-Jun-(
17	22JUN04 17			1352343		0.007	22-Jun-(
18	22JUN04 18			1343593		0.006	22-Jun-(
19	22JUN04 19			1345882		0.008	22-Jun-(
20	22JUN04 20			1346937		0.007	22-Jun-(
21	22JUN04 21			1338504		0.007	22-Jun-(
22	22JUN04 22			1349948		0.007	22-Jun-(
23	22JUN04 23			1318792		0.015	22-Jun-(
24	22JUN04 24			1325463		0.008	22-Jun-(
25	22JUN04 25			1323309		0.007	22-Jun-(
26	22JUN04 26			1306323		0.006	22-Jun-(
27	22JUN04 27			1291972		0.008	22-Jun-(
28	22JUN04 28			1273615		0.008	22-Jun-(
29	22JUN04 29			1284653		0.007	22-Jun-(
30	22JUN04 30			1280866		0.007	22-Jun-(

00061

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 13: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			2366886	0.005	22-Jun-0	
2	22JUN04 02			2353273	0.007	22-Jun-0	
3	22JUN04 03			2348333	0.005	22-Jun-0	
4	22JUN04 04			2342792	0.005	22-Jun-0	
5	22JUN04 05			2329962	0.006	22-Jun-0	
6	22JUN04 06			2281954	0.006	22-Jun-0	
7	22JUN04 07			2277798	0.006	22-Jun-0	
8	22JUN04 08			2202142	0.005	22-Jun-0	
9	22JUN04 09			2120945	0.006	22-Jun-0	
10	22JUN04 10			2078750	0.008	22-Jun-0	
11	22JUN04 11			2026526	0.006	22-Jun-0	
12	22JUN04 12			2014600	0.007	22-Jun-0	
13	22JUN04 13			2055981	0.006	22-Jun-0	
14	22JUN04 14			2094502	0.006	22-Jun-0	
15	22JUN04 15			2058933	0.006	22-Jun-0	
16	22JUN04 16			2064896	0.007	22-Jun-0	
17	22JUN04 17			2118189	0.006	22-Jun-0	
18	22JUN04 18			2104802	0.006	22-Jun-0	
19	22JUN04 19			2113175	0.006	22-Jun-0	
20	22JUN04 20			2119514	0.006	22-Jun-0	
21	22JUN04 21			2097754	0.006	22-Jun-0	
22	22JUN04 22			2119243	0.007	22-Jun-0	
23	22JUN04 23			2085331	0.009	22-Jun-0	
24	22JUN04 24			2091806	0.006	22-Jun-0	
25	22JUN04 25			2078118	0.006	22-Jun-0	
26	22JUN04 26			2062743	0.006	22-Jun-0	
27	22JUN04 27			2009645	0.008	22-Jun-0	
28	22JUN04 28			2003757	0.007	22-Jun-0	
29	22JUN04 29			2019358	0.007	22-Jun-0	
30	22JUN04 30			1999055	0.006	22-Jun-0	

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Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\stability 22JUN04A
Last modified: Tue Jun 22 10:21:16 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Nov 13 14:31:12 2002
Job Code:

Printed: Tue Jun 22 10:56:01 2004

Compound 14: 220BKGD

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Dat
1	22JUN04 01			1	138.097	22-Jun-(
2	22JUN04 02			1	108.698	22-Jun-(
3	22JUN04 03			1	165.259	22-Jun-(
4	22JUN04 04			2	79.062	22-Jun-(
5	22JUN04 05			1	107.968	22-Jun-(
6	22JUN04 06			1	108.755	22-Jun-(
7	22JUN04 07			2	77.065	22-Jun-(
8	22JUN04 08			1	145.946	22-Jun-(
9	22JUN04 09			1	108.819	22-Jun-(
10	22JUN04 10			1	126.611	22-Jun-(
11	22JUN04 11			1	108.506	22-Jun-(
12	22JUN04 12			1	138.120	22-Jun-(
13	22JUN04 13			1	126.939	22-Jun-(
14	22JUN04 14						
15	22JUN04 15			1	145.001	22-Jun-(
16	22JUN04 16			2	85.793	22-Jun-(
17	22JUN04 17			1	108.533	22-Jun-(
18	22JUN04 18			1	145.661	22-Jun-(
19	22JUN04 19			1	165.156	22-Jun-(
20	22JUN04 20			1	160.008	22-Jun-(
21	22JUN04 21			1	108.584	22-Jun-(
22	22JUN04 22			1	137.969	22-Jun-(
23	22JUN04 23			1	126.694	22-Jun-(
24	22JUN04 24			1	127.009	22-Jun-(
25	22JUN04 25			1	127.019	22-Jun-(
26	22JUN04 26			1	126.733	22-Jun-(
27	22JUN04 27			1	108.618	22-Jun-(
28	22JUN04 28			1	126.950	22-Jun-(
29	22JUN04 29			1	168.811	22-Jun-(
30	22JUN04 30			1	132.422	22-Jun-(

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Quantify Compound Summary Report
22JUN04A

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Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
 Last modified: Tue Jun 22 16:06:33 2004
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 Last modified: Wed Jun 23 10:09:45 2004
 Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 10: *ICP-4-22-04*
 Compound 10: *ICP-4-22-04*

#	File name	Sample ID	PPB	IS	CPS	%StdDev	Ag Date	Actime	IS#	
1	22JUN04A 01	RINSE	0.0071756	12	1539179	0.000	22-Jun-04	11:12:36	1	
2	22JUN04A 02	RINSE	0.0073548	14	1512405	0.000	22-Jun-04	11:15:22	1	
3	22JUN04A 03	RINSE	0.0070241	10	1486123	0.000	22-Jun-04	11:19:07	1	
4	22JUN04A 04	RINSE	0.0068809	9	1466304	0.000	22-Jun-04	11:22:50	1	
5	22JUN04A 05	O STD	0.0068733	9	1484459	0.000	22-Jun-04	11:26:35	1	
6	22JUN04A 06	RL STD	0.023687	199	1505088	0.000	22-Jun-04	11:30:20	1	
7	22JUN04A 07	LOW STD	4.7848	54324	1510699	0.000	22-Jun-04	11:34:05	1	
8	22JUN04A 08	MID STD	10.249	117636	1522987	0.000	22-Jun-04	11:37:50	1	
9	22JUN04A 09	HIGH STD	49.973	583230	1524224	0.000	22-Jun-04	11:41:36	1	
10	22JUN04A 10	HIGH STD READBACK	49.971	591821	1546709	0.000	22-Jun-04	11:45:22	1	
11	22JUN04A 11	ICV	12.587	140054	1474859	0.000	22-Jun-04	11:49:08	1	
12	22JUN04A 12	ICB	0.014790	94	1433045	0.000	22-Jun-04	11:57:53	1	
13	22JUN04A 13	CRI	0.030566	270	1470827	0.000	22-Jun-04	12:03:39	1	
14	22JUN04A 14	ICSA	0.033735	332	1601173	0.000	22-Jun-04	12:07:24	1	
15	22JUN04A 15	ICSAB	10.025	119640	1583701	0.000	22-Jun-04	12:11:10	1	
16	22JUN04A 16	CCV	9.9530	110932	1479083	0.000	22-Jun-04	12:14:57	1	
17	22JUN04A 17	CCB	0.013103	76	1446805	0.000	22-Jun-04	12:29:45	1	
18	22JUN04A 18	IP040621-3MB	10X	0.010939	52	1436267	0.000	22-Jun-04	12:33:33	1
19	22JUN04A 19	IP040621-3LCS	10X	10.118	110188	1445077	0.000	22-Jun-04	12:37:19	1
20	22JUN04A 20	0405095-1	10X	0.023573	192	1464597	0.000	22-Jun-04	12:41:04	1
21	22JUN04A 21	0405095-2	10X	0.030094	272	1510613	0.000	22-Jun-04	12:44:50	1
22	22JUN04A 22	0405095-2D	10X	0.025761	221	1499029	0.000	22-Jun-04	12:48:36	1
23	22JUN04A 23	0405095-2I	50X	0.013061	76	1460459	0.000	22-Jun-04	12:52:22	1
24	22JUN04A 24	0405095-2MS	10X	9.8285	110487	1491904	0.000	22-Jun-04	12:56:08	1
25	22JUN04A 25	0405095-2MSD	10X	9.9735	111598	1484907	0.000	22-Jun-04	12:59:54	1
26	22JUN04A 26	0405095-3	10X	0.019354	153	1538155	0.000	22-Jun-04	13:03:42	1
27	22JUN04A 27	0405095-5	10X	0.013104	83	1583680	0.000	22-Jun-04	13:07:29	1

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Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
 Last modified: Tue Jun 22 16:06:33 2004
 Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
 Last modified: Wed Jun 23 10:09:45 2004
 Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 10: *\Cadmium*

#	File name	Sample ID	PPB	CPS	IS CPS	8 StdDev	Aq Date	AcTime	IS#
2.8	22JUN04A 28	CCV	10.101	110862	1456448	0.000	22-Jun-04	13:11:17	1
2.9	22JUN04A 29	CCB	0.011242	55	1412096	0.000	22-Jun-04	13:15:04	1
3.0	22JUN04A 30	0405095-7 10X	0.019654	150	1477312	0.000	22-Jun-04	13:18:52	1
3.1	22JUN04A 31	0405095-8 10X	0.016479	113	1455317	0.000	22-Jun-04	13:22:39	1
3.2	22JUN04A 32	0405095-9 10X	0.017710	131	1505109	0.000	22-Jun-04	13:26:28	1
3.3	22JUN04A 33	0405095-10 10X	0.011682	66	1566955	0.000	22-Jun-04	13:30:15	1
3.4	22JUN04A 34	0405095-11 10X	0.0083215	24	1456512	0.000	22-Jun-04	13:34:00	1
3.5	22JUN04A 35	0405095-12 10X	0.0098322	40	1436203	0.000	22-Jun-04	13:37:45	1
3.6	22JUN04A 36	CCV	10.177	106293	1385835	0.000	22-Jun-04	13:41:31	1
3.7	22JUN04A 37	CCB	0.014388	88	1413760	0.000	22-Jun-04	13:45:18	1
3.8	22JUN04A 38	IP040611-4MB 10X	0.010088	42	1403371	0.000	22-Jun-04	13:52:52	1
3.9	22JUN04A 39	IP040611-4LCS 10X	15.399	182608	1570027	0.000	22-Jun-04	13:56:36	1
4.0	22JUN04A 40	0406055-9 10X	0.36548	4209	1559040	0.000	22-Jun-04	14:00:21	1
4.1	22JUN04A 41	0406055-9D 10X	0.39640	4663	1590592	0.000	22-Jun-04	14:04:06	1
4.2	22JUN04A 42	0406055-9L 50X	0.061972	680	1621483	0.000	22-Jun-04	14:07:51	1
4.3	22JUN04A 43	0406055-9MS 10X	15.554	193680	1648448	0.000	22-Jun-04	14:19:19	1
4.4	22JUN04A 44	0406055-9MSD 10X	15.959	206427	1712085	0.000	22-Jun-04	14:25:04	1
4.5	22JUN04A 45	0405097-19 10000X	0.10175	1149	1599573	0.000	22-Jun-04	14:28:50	1
4.6	22JUN04A 46	0405097-21 10000X	0.10731	1220	1605376	0.000	22-Jun-04	14:32:36	1
4.7	22JUN04A 47	0405097-23 10000X	0.065876	711	1584064	0.000	22-Jun-04	14:36:23	1
4.8	22JUN04A 48	CCV	10.288	122351	1577920	0.000	22-Jun-04	14:40:10	1
4.9	22JUN04A 49	CCB	0.019596	156	1535552	0.000	22-Jun-04	14:43:58	1
5.0	22JUN04A 50	0405097-28 10000X	0.063978	644	1482411	0.000	22-Jun-04	14:47:45	1
5.1	22JUN04A 51	0405097-19 20000X	0.029515	265	1509675	0.000	22-Jun-04	14:57:16	1
5.2	22JUN04A 52	0405097-21 20000X	0.039308	378	1515413	0.000	22-Jun-04	15:01:02	1
5.3	22JUN04A 53	0405097-23 20000X	0.028807	255	1494656	0.000	22-Jun-04	15:04:47	1
5.4	22JUN04A 54	0406050-20 10X	0.018929	153	1588672	0.000	22-Jun-04	15:08:33	1

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Quantify Compound Summary Report
22JUN04A

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Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
 Last modified: Tue Jun 22 16:06:33 2004
 Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
 Last modified: Wed Jun 23 10:09:45 2004
 Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 10: δ Cadmium
1 δ en 4-23-04

#	File name	Sample ID	PPB	CPS	IS	CPS	%StdDev	Aq Date	Aq Time	IS#
55	22JUN04A	55	0406050-20L 50XU\0\0\0	0.012030	69	1545109	0.000	22-Jun-04	15:12:20	1
56	22JUN04A	56	0406050-20MS 10X	10.675	127080	1579285	0.000	22-Jun-04	15:16:06	1
57	22JUN04A	57	0406050-20MSD 10X	10.760	128388	1582869	0.000	22-Jun-04	15:19:53	1
58	22JUN04A	58	0406050-1 1000X	0.017984	140	1571200	0.000	22-Jun-04	15:23:40	1
59	22JUN04A	59	0406050-2 1000X	0.013384	86	1570389	0.000	22-Jun-04	15:27:28	1
60	22JUN04A	60	CCV	10.217	107136	1391403	0.000	22-Jun-04	15:31:16	1
61	22JUN04A	61	CCB	0.012634	67	1357547	0.000	22-Jun-04	15:35:03	1
62	22JUN04A	62	0406050-3 1000X	0.011070	57	1515947	0.000	22-Jun-04	15:38:50	1
63	22JUN04A	63	0406050-4 1000X	0.012070	69	1538219	0.000	22-Jun-04	15:42:36	1
64	22JUN04A	64	0406050-4L 5000X	0.0089436	31	1456320	0.000	22-Jun-04	15:46:26	1
65	22JUN04A	65	0406050-4MS 1000X	10.306	115650	1488939	0.000	22-Jun-04	15:50:14	1
66	22JUN04A	66	0406050-4MSD 1000X	10.251	114262	1478933	0.000	22-Jun-04	15:53:59	1
67	22JUN04A	67	CCV	10.176	106157	1384277	0.000	22-Jun-04	15:57:45	1
68	22JUN04A	68	CCB	0.014606	85	1325888	0.000	22-Jun-04	16:01:32	1
69	22JUN04A	69	RINSE							

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Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
 Last modified: Tue Jun 22 16:06:33 2004
 Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVENTIS
 Last modified: Wed Jun 23 10:09:45 2004
 Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#	
1	22JUN04A 01	RINSE	0.0025737	238	1287680	5.815	22-Jun-04	11:12:36	11	
2	22JUN04A 02	RINSE	0.0021256	144	1265493	5.895	22-Jun-04	11:15:22	11	
3	22JUN04A 03	RINSE	0.0020082	118	1239872	7.103	22-Jun-04	11:19:07	11	
4	22JUN04A 04	RINSE	0.0017237	61	1218368	8.214	22-Jun-04	11:22:50	11	
5	22JUN04A 05	O STD	0.0016757	53	1248192	8.460	22-Jun-04	11:26:35	11	
6	22JUN04A 06	RL STD	0.0083251	1395	1272043	0.939	22-Jun-04	11:30:20	11	
7	22JUN04A 07	LOW STD	0.99758	199979	1266773	0.020	22-Jun-04	11:34:05	11	
8	22JUN04A 08	MID STD	2.0048	404448	1274475	0.017	22-Jun-04	11:37:50	11	
9	22JUN04A 09	HIGH STD	9.9993	2008021	1272363	0.006	22-Jun-04	11:41:36	11	
10	22JUN04A 10	HIGH STD READBACK	9.9653	2052288	1304832	0.006	22-Jun-04	11:45:22	11	
11	22JUN04A 11	ICV	2.5097	492448	1239701	0.014	22-Jun-04	11:49:08	11	
12	22JUN04A 12	ICB	0.0026234	231	1198677	3.948	22-Jun-04	11:57:53	11	
13	22JUN04A 13	CRI	0.011395	1951	1232256	1.666	22-Jun-04	12:03:39	11	
14	22JUN04A 14	ICSA	0.0026783	259	1285867	5.700	22-Jun-04	12:07:24	11	
15	22JUN04A 15	ICSAB	2.2750	455840	1265877	0.016	22-Jun-04	12:11:10	11	
16	22JUN04A 16	CCV	2.0059	394021	1240960	0.015	22-Jun-04	12:14:57	11	
17	22JUN04A 17	CCB	0.0031036	327	1216320	4.180	22-Jun-04	12:29:45	11	
18	22JUN04A 18	IP040621-3MBC	10X	0.0021288	137	1198592	9.243	22-Jun-04	12:33:33	11
19	22JUN04A 19	IP040621-3LCS	10X	1.9939	379589	1202667	0.018	22-Jun-04	12:37:19	11
20	22JUN04A 20	0405095-1	10X	0.0094433	1551	1217493	0.733	22-Jun-04	12:41:04	11
21	22JUN04A 21	0405095-2	10X	0.010556	1825	1258368	0.613	22-Jun-04	12:44:50	11
22	22JUN04A 22	0405095-2D	10X	0.010640	1815	1240085	0.781	22-Jun-04	12:48:36	11
23	22JUN04A 23	0405095-2I	50X	0.0033707	373	1198656	2.033	22-Jun-04	12:52:22	11
24	22JUN04A 24	0405095-2MS	10X	1.9940	389653	1234517	0.012	22-Jun-04	12:56:08	11
25	22JUN04A 25	0405095-2MSD	10X	2.0195	390091	1220288	0.016	22-Jun-04	12:59:54	11
26	22JUN04A 26	0405095-3	10X	0.018017	3386	1285888	0.507	22-Jun-04	13:03:42	11
27	22JUN04A 27	0405095-5	10X	0.077167	15757	1311936	0.123	22-Jun-04	13:07:29	11

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Quantify Compound Summary Report
22JUN04A

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Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
 Last modified: Tue Jun 22 16:06:33 2004
 Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
 Last modified: Wed Jun 23 10:09:45 2004
 Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%stdDev	Ag Date	Ag Time	IS#
28	22JUN04A 28	CCV	2.0073	385365	1212821	0.017	22-Jun-04	13:11:17	11
29	22JUN04A 29	CCB	0.0030627	306	1166336	5.484	22-Jun-04	13:15:04	11
30	22JUN04A 30	0405095-7 10X	0.66175	126952	1212992	0.031	22-Jun-04	13:18:52	11
31	22JUN04A 31	0405095-8 10X	1.3524	256165	1196651	0.021	22-Jun-04	13:22:39	11
32	22JUN04A 32	0405095-9 10X	0.075552	14640	1245483	0.126	22-Jun-04	13:26:28	11
33	22JUN04A 33	0405095-10 10X	0.080207	16014	1281899	0.119	22-Jun-04	13:30:15	11
34	22JUN04A 34	0405095-11 10X	0.0024048	190	1202069	7.355	22-Jun-04	13:34:00	11
35	22JUN04A 35	0405095-12 10X	1.9986	374693	1184384	0.018	22-Jun-04	13:37:45	11
36	22JUN04A 36	CCV	2.0081	361765	1138133	0.017	22-Jun-04	13:41:31	11
37	22JUN04A 37	CCB	0.0038801	459	1171072	4.235	22-Jun-04	13:45:18	11
38	22JUN04A 38	IP040611-4MB 10X	0.0020282	115	1169301	9.061	22-Jun-04	13:52:52	11
39	22JUN04A 39	IP040611-4LCS 10X	2.0455	408091	1260373	0.016	22-Jun-04	13:56:36	11
40	22JUN04A 40	0406055-9 10X	0.86060	178315	1309547	0.029	22-Jun-04	14:00:21	11
41	22JUN04A 41	0406055-9D 10X	0.96389	203771	1335957	0.022	22-Jun-04	14:04:06	11
42	22JUN04A 42	0406055-9L 50X	0.14600	31135	1358293	0.092	22-Jun-04	14:07:51	11
43	22JUN04A 43	0406055-9MS 10X	2.8586	592533	1309717	0.011	22-Jun-04	14:19:19	11
44	22JUN04A 44	0406055-9MSD 10X	3.0128	647744	1358528	0.012	22-Jun-04	14:25:04	11
45	22JUN04A 45	0405097-19 10000X	* 10.913	2212694	1285120	0.016	22-Jun-04	14:28:50	11
46	22JUN04A 46	0405097-21 10000X	* 13.731	2819670	1303125	0.007	22-Jun-04	14:32:36	11
47	22JUN04A 47	0405097-23 10000X	* 1.7672	358213	1280576	0.015	22-Jun-04	14:36:23	11
48	22JUN04A 48	CCV	2.0054	405957	1278848	0.015	22-Jun-04	14:40:10	11
49	22JUN04A 49	CCB	0.0042931	566	1237355	2.984	22-Jun-04	14:43:58	11
50	22JUN04A 50	0405097-28 10000X	9.0066	1711232	1203307	0.007	22-Jun-04	14:47:45	11
51	22JUN04A 51	0405097-19 20000X	5.4648	1075605	1244757	0.011	22-Jun-04	14:57:16	11
52	22JUN04A 52	0405097-21 20000X	6.8884	1327019	1219008	0.008	22-Jun-04	15:01:02	11
53	22JUN04A 53	0405097-23 20000X	** 0.90218	173195	1213248	0.030	22-Jun-04	15:04:47	11
54	22JUN04A 54	0406050-20 10X	3.3915	683157	1272939	0.013	22-Jun-04	15:08:33	11

* = do not use - over the linear range - diluted 20,000X later.

** = do not use - for confirmation purposes only.

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Quantify Compound Summary Report
22JUN04A

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Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
Last modified: Tue Jun 22 16:06:33 2004
Method: C:\MASSLYNX\AUG2002.PRO\MethodDB\ELEVEN+IS
Last modified: Wed Jun 23 10:09:45 2004
Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%stdDev	Aq Date	Actime	IS#
55	22JUN04A 55	0406050-20L 50X	0.67841	135909	12666624	0.042	22-Jun-04	15:12:20	11
56	22JUN04A 56	0406050-20MS 10X	5.5697	1133888	1287531	0.008	22-Jun-04	15:16:06	11
57	22JUN04A 57	0406050-20MSD 10X	5.6576	1142357	1277035	0.009	22-Jun-04	15:19:53	11
58	22JUN04A 58	0406050-1 1000X	3.3683	682347	1280171	0.011	22-Jun-04	15:23:40	11
59	22JUN04A 59	0406050-2 1000X	3.2953	667307	1279680	0.011	22-Jun-04	15:27:28	11
60	22JUN04A 60	CCV	2.0307	370203	1151701	0.016	22-Jun-04	15:31:16	11
61	22JUN04A 61	CCB	0.0069212	637993	1136043	3.383	22-Jun-04	15:35:03	11
62	22JUN04A 62	0406050-3 1000X	3.2071	637973	1257045	0.012	22-Jun-04	15:38:50	11
63	22JUN04A 63	0406050-4 1000X	3.0714	610837	1256683	0.012	22-Jun-04	15:42:36	11
64	22JUN04A 64	0406050-4L 5000X	0.61076	117509	1216683	0.031	22-Jun-04	15:46:26	11
65	22JUN04A 65	0406050-4MS 1000X	5.1621	1007573	1234261	0.010	22-Jun-04	15:50:14	11
66	22JUN04A 66	0406050-4MSD 1000X	5.1578	988352	1211712	0.009	22-Jun-04	15:53:59	11
67	22JUN04A 67	CCV	2.0251	371712	1159595	0.019	22-Jun-04	15:57:45	11
68	22JUN04A 68	CCB	0.0051299	640	1084587	4.027	22-Jun-04	16:01:32	11
69	22JUN04A 69	RINSE							

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Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\sampleDB\22JUN04A
 Last modified: Tue Jun 22 16:06:33 2004
 Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
 Last modified: Wed Jun 23 10:09:45 2004
 Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 23: 27A1

#	File name	Sample ID	PPB	CPS	IS CPS	\$stdDev	Aq#	AqPrime	IS#	
1	22JUN04A 01	RINSE	0	12111	643243	0.148	22-Jun-04	11:12:36	21	
2	22JUN04A 02	RINSE	0	12195	632128	0.172	22-Jun-04	11:15:22	21	
3	22JUN04A 03	RINSE	0	11981	625899	0.148	22-Jun-04	11:19:07	21	
4	22JUN04A 04	RINSE	0	12505	616021	0.171	22-Jun-04	11:22:50	21	
5	22JUN04A 05	O STD	0	12762	624256	0.145	22-Jun-04	11:26:35	21	
6	22JUN04A 06	RL STD	2.0707	36856	636203	0.077	22-Jun-04	11:30:20	21	
7	22JUN04A 07	LOW STD	20.032	237040	636587	0.023	22-Jun-04	11:34:05	21	
8	22JUN04A 08	MID STD	39.876	463483	644693	0.015	22-Jun-04	11:37:50	21	
9	22JUN04A 09	HIGH STD	200.02	2250667	646187	0.006	22-Jun-04	11:41:36	21	
10	22JUN04A 10	HIGH STD READBACK	201.53	2302123	656107	0.006	22-Jun-04	11:45:22	21	
11	22JUN04A 11	ICV	53.337	594283	623275	0.012	22-Jun-04	11:49:08	21	
12	22JUN04A 12	ICB	9.2001e-5	13207	610432	0.194	22-Jun-04	11:57:53	21	
13	22JUN04A 13	CRI	2.2716	38461	625877	0.093	22-Jun-04	12:03:39	21	
14	22JUN04A 14	ICSA	120419.:	676203	0.000	22-Jun-04	12:07:24	21		
15	22JUN04A 15	ICSAB	118666..	663360	0.000	22-Jun-04	12:11:10	21		
16	22JUN04A 16	CCV	41.106	461163	622891	0.026	22-Jun-04	12:14:57	21	
17	22JUN04A 17	CCB	1.0439	24430	611755	0.376	22-Jun-04	12:29:45	21	
18	22JUN04A 18	IP040621-3MB	10X	1.2381	26302	0.090	22-Jun-04	12:33:33	21	
19	22JUN04A 19	IP040621-3LCS	10X	39.658	438800	613611	0.015	22-Jun-04	12:37:19	21
20	22JUN04A 20	0405095-1	10X	9.4104	115993	621909	0.033	22-Jun-04	12:41:04	21
21	22JUN04A 21	0405095-2	10X	12.702	157136	643669	0.023	22-Jun-04	12:44:50	21
22	22JUN04A 22	0405095-2D	10X	12.797	156395	636288	0.027	22-Jun-04	12:48:36	21
23	22JUN04A 23	0405095-2I	50X	2.8495	44107	616192	0.068	22-Jun-04	12:52:22	21
24	22JUN04A 24	0405095-2MS	10X	51.358	584213	635691	0.016	22-Jun-04	12:56:08	21
25	22JUN04A 25	0405095-2MSD	10X	52.316	591808	632469	0.013	22-Jun-04	12:59:54	21
26	22JUN04A 26	0405095-3	10X	8.7533	115949	662549	0.029	22-Jun-04	13:03:42	21
27	22JUN04A 27	0405095-5	10X	10.103	133344	671317	0.026	22-Jun-04	13:07:29	21

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Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
 Last modified: Tue Jun 22 16:06:33 2004
 Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
 Last modified: Wed Jun 23 10:09:45 2004
 Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 23: 27A1

#	File name	Sample ID	PPB	CPS	IS CPS	%stdDev	Aq Date	Aq Time	IS#
28	22JUN04A 28	CCV	40.065	451989	625835	0.017	22-Jun-04	13:11:17	21
29	22JUN04A 29	CCB	0.12285	14336	602667	0.328	22-Jun-04	13:15:04	21
30	22JUN04A 30	0405095-7 10X	12.171	147861	629632	0.034	22-Jun-04	13:18:52	21
31	22JUN04A 31	0405095-8 10X	13.085	155227	618837	0.045	22-Jun-04	13:22:39	21
32	22JUN04A 32	0405095-9 10X	9.7798	124976	647616	0.043	22-Jun-04	13:26:28	21
33	22JUN04A 33	0405095-10 10X	12.665	162027	665451	0.027	22-Jun-04	13:30:15	21
34	22JUN04A 34	0405095-11 10X	0.24975	16276	625707	0.238	22-Jun-04	13:34:00	21
35	22JUN04A 35	0405095-12 10X	3.6054	52163	614933	0.088	22-Jun-04	13:37:45	21
36	22JUN04A 36	CCV	40.716	436651	595243	0.019	22-Jun-04	13:41:31	21
37	22JUN04A 37	CCB	0	12756	604608	0.260	22-Jun-04	13:45:18	21
38	22JUN04A 38	IP040611-4MB 10X	6485	602517	0.208	22-Jun-04	13:52:52	21	
39	22JUN04A 39	IP040611-4LCS 10X	219.94	2487296	650667	0.008	22-Jun-04	13:56:36	21
40	22JUN04A 40	0406055-9 10X		98004992	794816	0.000	22-Jun-04	14:00:21	21
41	22JUN04A 41	0406055-9D 10X		107322..	815936	0.000	22-Jun-04	14:04:06	21
42	22JUN04A 42	0406055-9L 50X	2116.1	23091542	720427	0.001	22-Jun-04	14:07:51	21
43	22JUN04A 43	0406055-9MS 10X		134199..	888363	0.001	22-Jun-04	14:19:19	21
44	22JUN04A 44	0406055-9MSD 10X		134201..	943168	0.001	22-Jun-04	14:25:04	21
45	22JUN04A 45	0405097-19 10000X	54.008	668704	692843	0.123	22-Jun-04	14:28:50	21
46	22JUN04A 46	0405097-21 10000X	22.886	296848	702997	0.127	22-Jun-04	14:32:36	21
47	22JUN04A 47	0405097-23 10000X	10.123	137215	689536	0.179	22-Jun-04	14:36:23	21
48	22JUN04A 48	CCV	49.018	609216	693653	0.028	22-Jun-04	14:40:10	21
49	22JUN04A 49	CCB	3.9836	61276	670016	0.294	22-Jun-04	14:43:58	21
50	22JUN04A 50	0405097-28 10000X	4.8909	69181	644437	0.143	22-Jun-04	14:47:45	21
51	22JUN04A 51	0405097-19 20000X	3.1789	50799	656725	0.083	22-Jun-04	14:57:16	21
52	22JUN04A 52	0405097-21 20000X	3.9982	60171	656107	0.143	22-Jun-04	15:01:02	21
53	22JUN04A 53	0405097-23 20000X	2.9847	48448	655147	0.165	22-Jun-04	15:04:47	21
54	22JUN04A 54	0406050-20 10X	1.4139	31656	681963	0.194	22-Jun-04	15:08:33	21

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Quantify Compound Summary Report
22JUN04A

Sample List: C:\MASSLYNX\AUG2002.PRO\SampleDB\22JUN04A
 Last modified: Tue Jun 22 16:06:33 2004
 Method: C:\MASSLYNX\AUG2002.PRO\MethDB\ELEVEN+IS
 Last modified: Wed Jun 23 10:09:45 2004
 Job Code:

Printed: Wed Jun 23 10:12:16 2004

Compound 23: 27A1

#	File name	Sample ID	PPB	CPS	IS CPS	%stdDev	Aq Date	AgTime	IS#
55	22JUN04A 55	0406050-20L 50X	0.84625	24157	662400	0.150	22-Jun-04	15:12:20	21
56	22JUN04A 56	0406050-20MS 10X	48.241	588629	680704	0.015	22-Jun-04	15:16:06	21
57	22JUN04A 57	0406050-20MSD 10X	49.133	596352	677461	0.011	22-Jun-04	15:19:53	21
58	22JUN04A 58	0406050-1 1000X	0.67545	22728	678955	0.163	22-Jun-04	15:23:40	21
59	22JUN04A 59	0406050-2 1000X	0.69112	23098	684395	0.212	22-Jun-04	15:27:28	21
60	22JUN04A 60	CCV	44.340	485611	609493	0.018	22-Jun-04	15:31:16	21
61	22JUN04A 61	CCB	0.69852	19873	586581	0.269	22-Jun-04	15:35:03	21
62	22JUN04A 62	0406050-3 1000X	0.50119	19892	653909	0.207	22-Jun-04	15:38:50	21
63	22JUN04A 63	0406050-4 1000X	0.42034	19316	666005	0.139	22-Jun-04	15:42:36	21
64	22JUN04A 64	0406050-4L 5000X	0.40633	18347	637995	0.127	22-Jun-04	15:46:26	21
65	22JUN04A 65	0406050-4MS 1000X	46.700	546432	652160	0.015	22-Jun-04	15:50:14	21
66	22JUN04A 66	0406050-4MSD 1000X	46.599	537920	643349	0.013	22-Jun-04	15:53:59	21
67	22JUN04A 67	CCV	44.015	476171	601920	0.016	22-Jun-04	15:57:45	21
68	22JUN04A 68	CCB	0.28131	15079	567616	0.201	22-Jun-04	16:01:32	21
69	22JUN04A 69	RINSE							

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Compound 29: 0Lead

#	File name	Sample ID	PPB	IS	CPS	%stdDev	AQ Date	Acq Time	IS#	
1	22JUN04A 01	RINSE	0.0081348	1483	1287680	0.000	22-Jun-04	11:12:36	11	
2	22JUN04A 02	RINSE	0.0068392	1266	1265493	0.000	22-Jun-04	11:15:22	11	
3	22JUN04A 03	RINSE	0.0069252	1253	1239872	0.000	22-Jun-04	11:19:07	11	
4	22JUN04A 04	RINSE	0.0075839	1325	1218368	0.000	22-Jun-04	11:22:50	11	
5	22JUN04A 05	0 STD	0.0079389	1409	1248192	0.000	22-Jun-04	11:26:35	11	
6	22JUN04A 06	RL STD	0.042089	6509	1272043	0.000	22-Jun-04	11:30:20	11	
7	22JUN04A 07	LOW STD	4.9833	737261	1266773	0.000	22-Jun-04	11:34:05	11	
8	22JUN04A 08	MID STD	10.029	1491862	1274475	0.000	22-Jun-04	11:37:50	11	
9	22JUN04A 09	HIGH STD	49.996	7400871	1272363	0.000	22-Jun-04	11:41:36	11	
10	22JUN04A 10	HIGH STD READBACK	49.979	7587117	1304832	0.000	22-Jun-04	11:45:22	11	
11	22JUN04A 11	ICV	12.803	1852176	1239701	0.000	22-Jun-04	11:49:08	11	
12	22JUN04A 12	ICB	0.023356	3511	1198677	0.000	22-Jun-04	11:57:53	11	
13	22JUN04A 13	CRI	0.056639	8400	1232256	0.000	22-Jun-04	12:03:39	11	
14	22JUN04A 14	ICSA	0.11461	17472	1285867	0.000	22-Jun-04	12:07:24	11	
15	22JUN04A 15	ICSAB	10.644	1572592	1265877	0.000	22-Jun-04	12:11:10	11	
16	22JUN04A 16	CCV	10.085	1460787	1240960	0.000	22-Jun-04	12:14:57	11	
17	22JUN04A 17	CCB	0.016945	2652	1216320	0.000	22-Jun-04	12:29:45	11	
18	22JUN04A 18	IP040621-3MB	10X	0.0068318	1198	1198592	0.000	22-Jun-04	12:33:33	11
19	22JUN04A 19	IP040621-3LCS	10X	9.8149	1377834	1202667	0.000	22-Jun-04	12:37:19	11
20	22JUN04A 20	0405095-1	10X	0.027804	4199	1217493	0.000	22-Jun-04	12:41:04	11
21	22JUN04A 21	0405095-2	10X	0.035581	5483	1258368	0.000	22-Jun-04	12:44:50	11
22	22JUN04A 22	0405095-2D	10X	0.030774	4707	1240085	0.000	22-Jun-04	12:48:36	11
23	22JUN04A 23	0405095-2L	50X	0.012721	2022	1198656	0.000	22-Jun-04	12:52:22	11
24	22JUN04A 24	0405095-2MS	10X	9.8263	1415951	1234517	0.000	22-Jun-04	12:56:08	11
25	22JUN04A 25	0405095-2MSD	10X	10.015	1426445	1220288	0.000	22-Jun-04	12:59:54	11
26	22JUN04A 26	0405095-3	10X	0.018136	2983	1285888	0.000	22-Jun-04	13:03:42	11
27	22JUN04A 27	0405095-5	10X	0.016187	2744	1311936	0.000	22-Jun-04	13:07:29	11

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Quantify Compound Summary Report
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Compound 29:OLead

#	File name	Sample ID	PPB	CPS	%CPS	%StdDev	Aq Date	Aq Time	IS#
28	22JUN04A 28	CCV	10.011	1417185	1212821	0.000	22-Jun-04	13:11:17	11
29	22JUN04A 29	CCB	0.018743	2788	1166336	0.000	22-Jun-04	13:15:04	11
30	22JUN04A 30	0405095-7 10X	0.021084	3231	1212992	0.000	22-Jun-04	13:18:52	11
31	22JUN04A 31	0405095-8 10X	0.023427	3515	1196651	0.000	22-Jun-04	13:22:39	11
32	22JUN04A 32	0405095-9 10X	0.033226	5091	1245483	0.000	22-Jun-04	13:26:28	11
33	22JUN04A 33	0405095-10 10X	0.021335	3452	1281899	0.000	22-Jun-04	13:30:15	11
34	22JUN04A 34	0405095-11 10X	0.011640	1876	1202069	0.000	22-Jun-04	13:34:00	11
35	22JUN04A 35	0405095-12 10X	0.075421	10671	1184384	0.000	22-Jun-04	13:37:45	11
36	22JUN04A 36	CCV	9.9735	1324938	1138133	0.000	22-Jun-04	13:41:31	11
37	22JUN04A 37	CCB	0.016450	2486	1171072	0.000	22-Jun-04	13:45:18	11
38	22JUN04A 38	IP040611-4MB 10X	0.0066154	1139	1169301	0.000	22-Jun-04	13:52:52	11
39	22JUN04A 39	IP040611-4LCS 10X	59.984	8788815	1260373	0.000	22-Jun-04	13:56:36	11
40	22JUN04A 40	0406055-9 10X	24.347	3717063	1309547	0.000	22-Jun-04	14:00:21	11
41	22JUN04A 41	0406055-9D 10X	23.673	3687140	1335957	0.000	22-Jun-04	14:04:06	11
42	22JUN04A 42	0406055-9L 50X	5.0197	796295	1358293	0.000	22-Jun-04	14:07:51	11
43	22JUN04A 43	0406055-9MS 10X	80.340	12212621	1309717	0.000	22-Jun-04	14:19:19	11
44	22JUN04A 44	0406055-9MSD 10X	81.714	12882912	1358528	0.000	22-Jun-04	14:25:04	11
45	22JUN04A 45	0405097-19 10000X	0.54149	81529	1285120	0.000	22-Jun-04	14:28:50	11
46	22JUN04A 46	0405097-21 10000X	0.64074	97777	1303125	0.000	22-Jun-04	14:32:36	11
47	22JUN04A 47	0405097-23 10000X	0.098073	14926	1280576	0.000	22-Jun-04	14:36:23	11
48	22JUN04A 48	CCV	9.9933	1491710	1278848	0.000	22-Jun-04	14:40:10	11
49	22JUN04A 49	CCB	0.020824	3259	1237355	0.000	22-Jun-04	14:43:58	11
50	22JUN04A 50	0405097-28 10000X	0.48562	68488	1203307	0.000	22-Jun-04	14:47:45	11
51	22JUN04A 51	0405097-19 20000X	0.18134	26614	1244757	0.000	22-Jun-04	14:57:16	11
52	22JUN04A 52	0405097-21 20000X	0.24525	35162	1219008	0.000	22-Jun-04	15:01:02	11
53	22JUN04A 53	0405097-23 20000X	0.063208	9201	1213248	0.000	22-Jun-04	15:04:47	11
54	22JUN04A 54	0406050-20 10X	0.042617	6592	1272939	0.000	22-Jun-04	15:08:33	11

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Compound 29: OLead

#	File name	Sample ID	PPB	CPS	IS	CPS	%StdDev	Aq Date	Aq Time	IS#
55	22JUN04A 55	0406050-20L 50X UDV	0.014935	2465	1266624	0.000	22-Jun-04	15:12:20	11	
56	22JUN04A 56	0406050-20MS 10X	10.941	1644143	1287531	0.000	22-Jun-04	15:16:06	11	
57	22JUN04A 57	0406050-20MSD 10X	11.051	1647096	1277035	0.000	22-Jun-04	15:19:53	11	
58	22JUN04A 58	0406050-1 1000X	0.024561	3930	1280171	0.000	22-Jun-04	15:23:40	11	
59	22JUN04A 59	0406050-2 1000X	0.023268	3735	1279680	0.000	22-Jun-04	15:27:28	11	
60	22JUN04A 60	CCV	10.048	1350762	1151701	0.000	22-Jun-04	15:31:16	11	
61	22JUN04A 61	CCB	0.022644	3233	1136043	0.000	22-Jun-04	15:35:03	11	
62	22JUN04A 62	0406050-3 1000X	0.018634	2989	1257045	0.000	22-Jun-04	15:38:50	11	
63	22JUN04A 63	0406050-4 1000X	0.015475	2524	1256683	0.000	22-Jun-04	15:42:36	11	
64	22JUN04A 64	0406050-4L 5000X	0.010166	1690	1216683	0.000	22-Jun-04	15:46:26	11	
65	22JUN04A 65	0406050-4MS 1000X	10.403	1498676	1234261	0.000	22-Jun-04	15:50:14	11	
66	22JUN04A 66	0406050-4MSD 1000X	10.432	1475380	1211712	0.000	22-Jun-04	15:53:59	11	
67	22JUN04A 67	CCV	10.060	1361655	1159595	0.000	22-Jun-04	15:57:45	11	
68	22JUN04A 68	CCB	0.017643	2453	1084587	0.000	22-Jun-04	16:01:32	11	
69	22JUN04A 69	RINSE								

000075

Compound 10 name: 0Cadmium
Coefficient of Determination: 0.999940
Calibration curve: $2.94588e-6 * x^2 + 0.00751073 * x + -4.58274e-5$
Response type: Internal Std (Ref 1), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/X, Axis trans: None

0.383

Response

-4.58e-5 0.0 5.0 10.0 15.0 20.0 25.0 30.0 35.0 40.0 45.0 50.0 PPB

000076

Compound 12 name: 238U
Coefficient of Determination: 1.000000
Calibration curve: -6.88284e-5 * $x^2 + 0.158540 * x + -0.000223203$
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/X, Axis trans: None

1.58

Response



~~000076~~

000077

Compound 23 name: 27Al
Coefficient of Determination: 0.999999
Calibration curve: -1.13163e-6 * x^2 + 0.0175313 * x + 0.0216339
Response type: Internal Std (Ref21), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

3.48

Response

0.0 20.0 40.0 60.0 80.0 100.0 120.0 140.0 160.0 180.0 200.0 PPB

000078

Compound 29 name: Lead
Coefficient of Determination: 0.999999
Calibration curve: -9.11572e-6 * x^2 + 0.1116794 * x + 0.0000201397
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

5.82

Response



000079

Miscellaneous

00080

